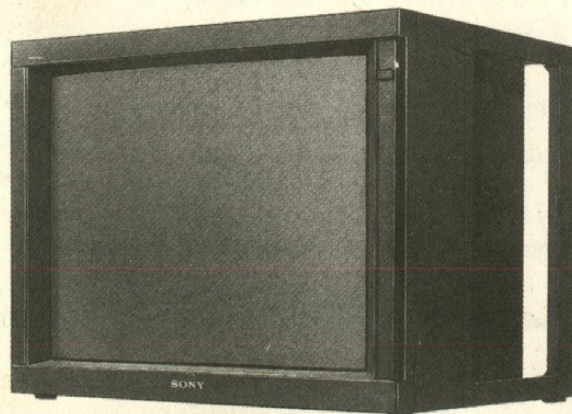


PVM-2950Q / 2950QM

RM-854

SERVICE MANUAL



US Model
Canadian Model

PVM-2950Q

Chassis No. SCC-G61E-A

AEP Model

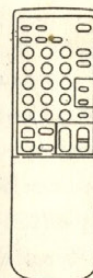
PVM-2950QM

Chassis No. SCC-G62D-A

Aus Model

PVM-2950QM

Chassis No. SCC-H03B-A



MODELS OF THE SAME SERIES

PVM-2950Q/2950QM	

SPECIFICATIONS

Video signal

Picture tube

29" Super Trinitron tube
Visible picture size : 675 mm
(27" measured diagonally)
AG pitch : 0.70 - 0.85 mm
Anti-glare & Anti-static
NTSC, PAL, SECAM, NTSC4.43, PAL60
600 TV lines at the center
VIDEO : 7 MHz (-3 dB)
S VIDEO : 8 MHz (-3 dB)
RGB : 10 MHz (-3 dB)

Color system

Resolution

Frequency response

Picture performance

Color temperature

Line pull range

Overscan

Zooming

9300K/6500K (standard)/3200K
switchable
Horizontal : ± 500 Hz
Vertical : -8 Hz
7% preset ($\pm 3\%$ variable)
Within 5%

- Continued on next page -



TRINITRON® COLOR VIDEO MONITOR
SONY®

Inputs and Outputs

VIDEO IN	BNC connector 1 Vp-p, sync negative 75-ohm (auto), loop through
Y/C IN	4-pin mini DIN connector Y : 1 Vp-p, sync negative C : 0.286 Vp-p (burst signal) (NTSC) 0.3 Vp-p (PAL) 75-ohm (auto), loop through
AUDIO IN (L, R)	Phono jack -5 dBs high impedance, loop through
R/R-Y, G/Y, B/B-Y IN	BNC connector R, G, B channels : 0.714 Vp-p, /non-composite, 75-ohm terminated (525 lines) 0.7 Vp-p, /non composite, 75-ohm terminated (625 lines) 1 Vp-p, /composite, 75-ohm terminated Y channel : 1.0 Vp-p, /composite, 75-ohm terminated 0.7 Vp-p, /non composite, 75-ohm terminated R-Y, B-Y channels : 0.7 Vp-p, 75-ohm terminated
Sync input	BNC connector H (or composite) SYNC, V SYNC, 0.5 - 5 Vp-p, 75-ohm terminated
Speaker output	8-16 ohm, 7 W + 7 W

(CAUTION)

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.
 THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK Δ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

General

Power requirements	PVM-2950Q 100 - 120 V AC, 50/60 Hz, MAX. 3.7 A PVM-2950QM 220 - 240 V AC, 50/60 Hz, MAX. 1.2 A
Operating temperature range	0 - 35° C (32 - 95° F)
Dimensions	687×538×529 mm (w/h/d) (27 1/8×21 1/4×20 7/8 inches)
Mass	52 kg (114 lb 10 oz)
Supplied accessories	AC power cord (1) AC plug holder (1) Remote commander RM-854 with a battery (1)
Optional accessories	
Speaker system	SS-X6A
TV tuner	ST-92TV (USA only)

Design and specifications are subject to change without notice.

(ATTENTION)

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION!!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISE LORS DE TOUT DÉPANNAGE.
 LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDE À L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MAPQUE Δ SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIÉCES CONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIÉS DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTÉ.

SECTION 1
SAFETY CHECK-OUT

(US model only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer :

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cord for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the condition of the monopole antenna (if any). Make sure the end is not broken off, and has the plastic cap on it. Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna's replacement.
8. Check the B+ and HV to see they are at the values specified. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
9. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

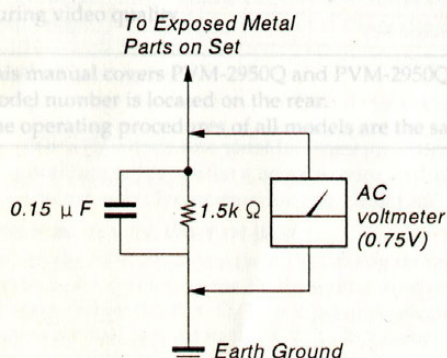


Fig. A. Using an AC voltmeter to check AC leakage.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60-100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)

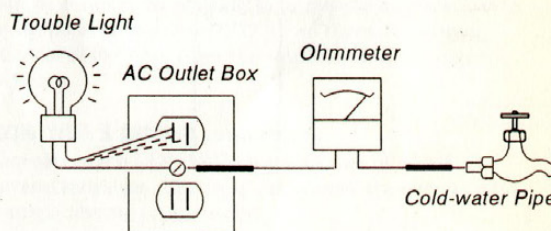
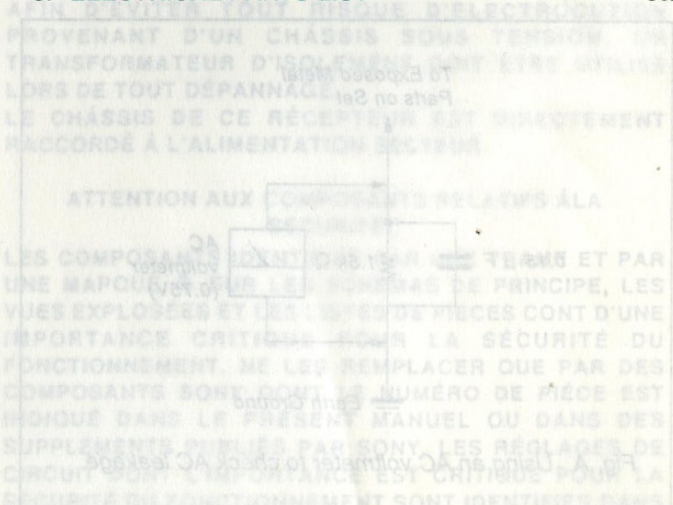
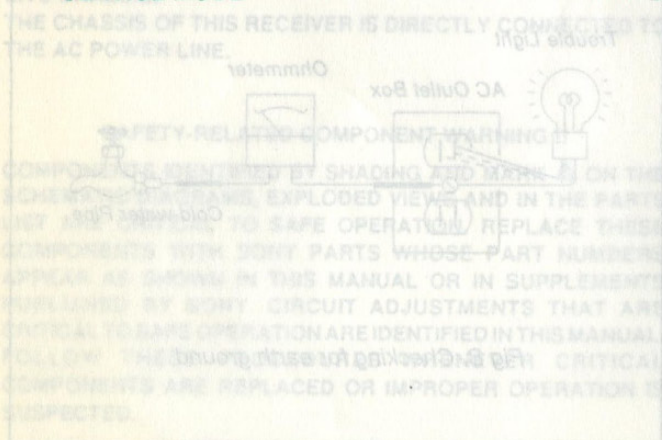


Fig B. Checking for earth ground.

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SECTION 1 GENERAL

The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

Features

Trinitron picture tube

The Trinitron picture tube provides a flat and high resolution picture. Horizontal resolution is more than 600 TV lines at the center of the picture.

Four color systems available

The monitor can display NTSC, PAL*, SECAM, NTSC_{4.43}** signals. The appropriate color system is selected automatically.

* If you set PAL to ON in the menu, the monitor can also display the PAL60 signal.

**The NTSC_{4.43} signal is used for playing back NTSC recorded video cassettes with a video tape recorder/player especially designed for use with this system.

Index number

You can operate a specific monitor among several monitors by using the index number features.

On-screen menus

You can adjust the settings by using the on-screen menus.

Control S

The CONTROL S signal allows remote control of several monitors and a VCR through a single monitor.

Blue only mode

In this mode, only a blue signal is displayed on the screen turning off the red and green signals. This facilitates color saturation and phase adjustments.

RGB/component input connectors

RGB or component (Y,R-Y,B-Y) signals from video equipment can be input through these connectors.

Y/C input connector

The video signal, split into the chrominance signal (C) and the luminance signal (Y), can be input through this connector, eliminating the interference between the two signals, which tends to occur in a composite video signal, assuring video quality.

This manual covers PVM-2950Q and PVM-2950QM. The model number is located on the rear.
The operating procedures of all models are the same.

HD/COMP (BNC)

Connect to the H sync composite sync signal output.

VD (BNC)

Connect to the V sync signal output.

Note

External sync signal is selected automatically. See the priority chart below.

Input connector	Input sync signals		
HD/COMP	H Sync	Comp Sync	---
VD	V Sync	---	---
G	Sync on G	Sync on G	Sync on G
Sync signals to be selected	H Sync	Comp Sync	Sync on G

AUDIO IN (phono)

Connect to the audio output of a VCR.

4 SPEAKER L/R terminals

Connect to speakers with 16 ohm impedance.

Note

Do not connect the speaker terminals to the monitor and to an amplifier simultaneously, or an excessive electric current might flow from the amplifier and damage the monitor.

5 CONTROL S IN/OUT connectors

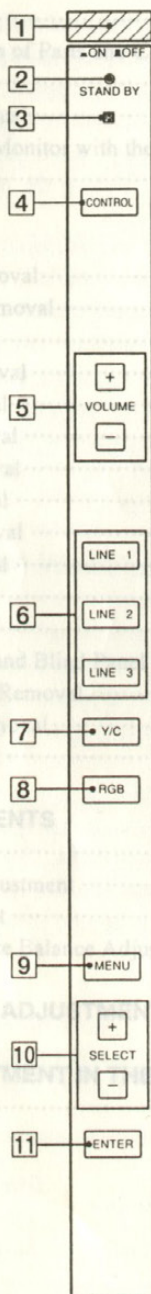
Connect to the CONTROL S connectors of a VCR or several monitors. Then you can control the system with a single remote commander.

Note

If you connect CONTROL S IN to the other equipment's CONTROL S OUT connector, you cannot operate the monitor with the supplied remote commander.

Location and function of parts and controls

Front panel



1 POWER switch

Press to turn the monitor on. Press again to turn it off.

2 STANDBY indicator

Lights up when the monitor is turned off with the remote commander.

3 Remote sensor

Receives the beam from the remote commander.

4 CONTROL key

To operate the keys on the front panel, first press this key. Then the keys light up or flash that shows they can be operated. Press again to deactivate them.

5 VOLUME +/- keys

Press to obtain the desired volume.

6 LINE 1, LINE 2, LINE 3 keys*

Press to select the line inputs.

7 Y/C key*

Press to select the Y/C input of LINE 1 or LINE 2.

8 RGB key*

Press to select the RGB input of LINE 3.

9 MENU key

Press to make the menu appear or to go to the following menu.

10 SELECT +/- key

Press to move the cursor (▶) to an item or to adjust value in a menu.

11 ENTER key

Press to select the desired item in a menu.

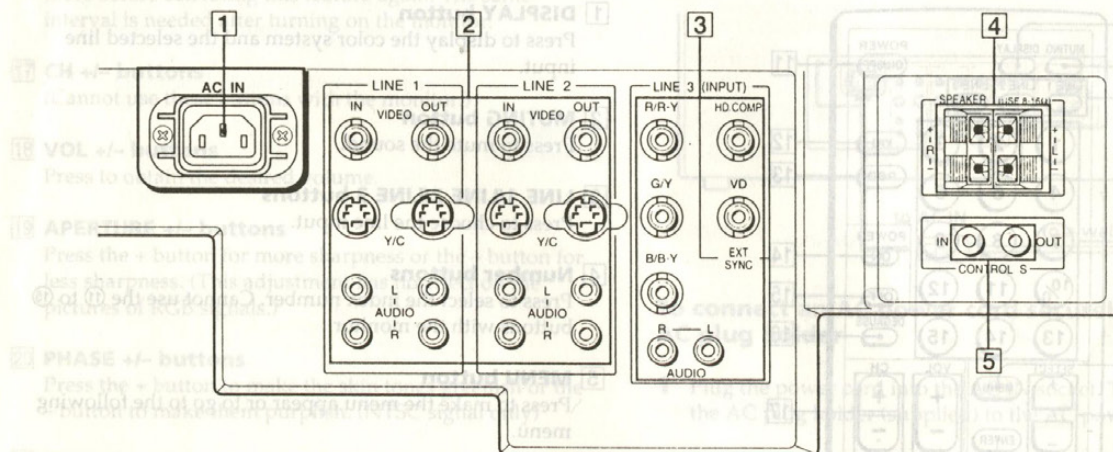
* Each key acts as follows.

CONTROL	On	Off
Selected key	Flash	Light up
Not selected key	Light up	Light off

Note

If the picture disappears suddenly and the STANDBY indicator flashes, there may be a failure in the monitor. Unplug the unit and call your authorized Sony dealer.

Rear panel

**1 AC IN socket**

Connect the supplied AC power cord to this socket and to a wall outlet.

2 LINE 1, LINE 2 connectors**VIDEO IN (BNC)**

Connect to the video output of video equipment, such as a VCR or a color video camera. For a loop-through connection, connect to the video output of another monitor.

VIDEO OUT (BNC)

Loop-through output of the VIDEO IN connector. Connect to the video input of a VCR or another monitor.

Y/C IN (4-pin mini DIN)

Connect to the Y/C separate output of a video camera, VCR or other video equipment.

Y/C OUT (4-pin mini DIN)

Loop-through output of the Y/C IN connector. Connect to the Y/C separate input of a VCR or another monitor.

AUDIO IN (phono)

Connect to the audio output of a VCR or to a microphone via a suitable microphone amplifier. For a loop-through connection, connect to the audio output of another monitor.

AUDIO OUT (phono)

Loop-through output of the AUDIO IN jack. Connect to the audio input of a VCR or another monitor.

3 LINE 3 connectors**R/R-Y IN, G/Y IN, B/B-Y IN (BNC)**

When the RGB input is selected (RGB key on the front panel is lit), connect to the RGB signal outputs of a video camera. When the R-Y, G/Y, B-Y input is selected (RGB key is not lit), connect to the R-Y/Y/B-Y component signal outputs of a Sony Betacam video camera.

HD/COMP (BNC)

Connect to the H sync signal or composite sync signal output.

VD (BNC)

Connect to the V sync signal output.

Note

External sync signal is selected automatically. See the priority chart below.

Input connector	Input sync signals		
HD/COMP	H Sync	Comp Sync	—
VD	V Sync	—	—
G	Sync on G	Sync on G	Sync on G
Sync signals to be selected	H Sync V Sync	Comp Sync	Sync on G

AUDIO IN (phono)

Connect to the audio output of a VCR.

4 SPEAKER L/R terminals

Connect to speakers with 8 to 16 ohms impedance.

Note

Do not connect the speaker's cord to the monitor and to an amplifier simultaneously, or an excessive electric current might flow from the amplifier and damage the monitor.

5 CONTROL S IN/OUT connectors

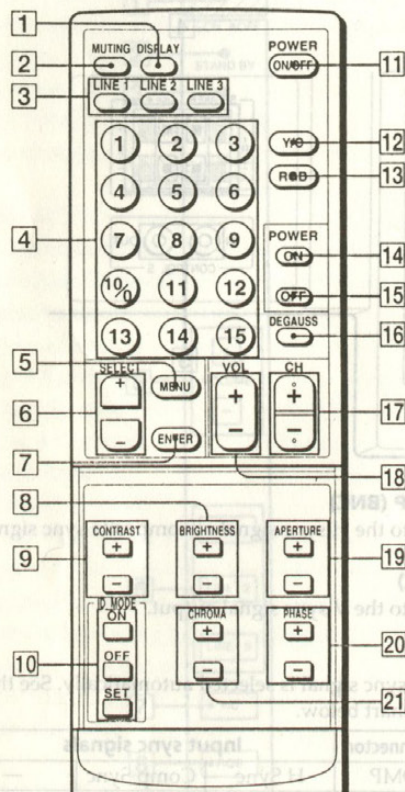
Connect to the CONTROL S connectors of a VCR or several monitors. Then you can control the system with a single remote commander.

Note

If you connect CONTROL S IN to the other equipment's CONTROL S OUT connector, you cannot operate the monitor with the supplied remote commander.

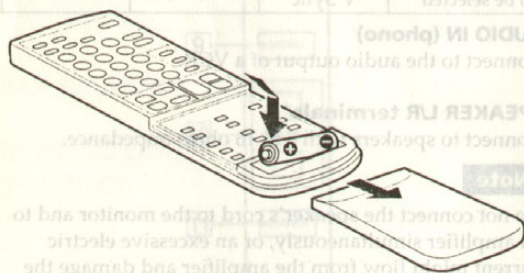
Location and function of parts and controls (continued)

Remote commander



Installing battery

Insert a size AA (R6) battery in correct polarity.



Notes

- In normal operation, a battery will last up to half a year. If the remote commander does not operate properly, the battery might be exhausted. Replace it with new one.
- To avoid damage from possible battery leakage, remove the battery if you do not plan to use the remote commander for a fairly long time.

1 DISPLAY button

Press to display the color system and the selected line input.

2 MUTING button

Press to mute the sound.

3 LINE 1/LINE 2/LINE 3 buttons

Press to choose the line input.

4 Number buttons

Press to select the index number. Cannot use the ⑪ to ⑮ buttons with the monitor.

5 MENU button

Press to make the menu appear or to go to the following menu.

6 SELECT +/- buttons

Press to move the cursor (▶) to an item or to adjust value in a menu.

7 ENTER button

Press to select the desired item in a menu.

8 BRIGHTNESS +/- buttons

Press the + button to make the picture brighter or the - button to make it darker.

9 CONTRAST +/- buttons

Press the + button to increase the contrast or the - button to decrease it.

10 ID MODE buttons

Press ON to make an index number appear on the screen. Then press the index number of the monitor you want to operate and press SET. After you finish the operation, press OFF to return to the normal mode.

11 POWER ON/OFF button

Press to turn on the monitor. Press again to turn it off.

12 Y/C button

Press to select the Y/C input of LINE 1 or LINE 2.

13 RGB button

Press to select the RGB input of LINE 3. If you do not press this button (RGB key is not lit), the component input is selected on LINE 3.

14 POWER ON button

Press to turn on the monitor. Use this button instead of the POWER ON/OFF button when you do not want to let another monitor be affected.

15 POWER OFF button

Press to turn off the monitor. Use this button instead of the POWER ON/OFF button when you do not want to let another monitor be affected.

Power sources

16 DEGAUSS button

Press to demagnetize the screen. Wait for 10 minutes or more before activating this feature again. The same interval is needed after turning on the monitor.

17 CH +/- buttons

(Cannot use these buttons with the monitor.)

18 VOL +/- buttons

Press to obtain the desired volume.

19 APERTURE +/- buttons

Press the + button for more sharpness or the - button for less sharpness. (This adjustment has no effect on the pictures of RGB signals.)

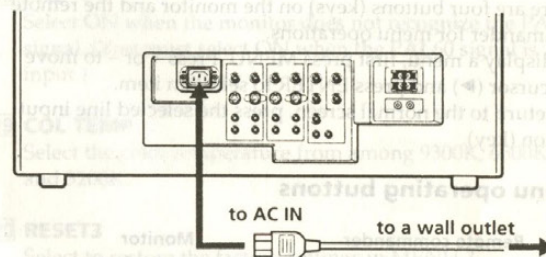
20 PHASE +/- buttons

Press the + button to make the skin tones greenish or the - button to make them purplish. (NTSC signal only)

21 CHROMA +/- buttons

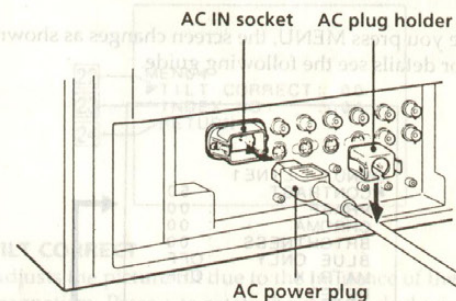
Press the + button to increase the color intensity and the - button to decrease it. (This adjustment has no effect on the pictures of RGB signals.)

Connect the AC power cord (supplied) to the AC IN socket and to a wall outlet.

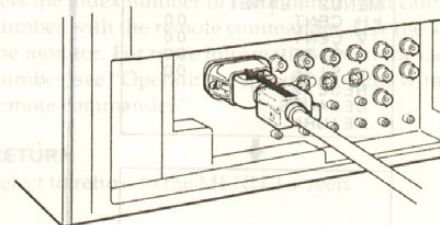


To connect an AC power cord securely with an AC plug holder

- 1 Plug the power cord into the AC IN socket. Then, attach the AC plug holder (supplied) to the AC power cord.

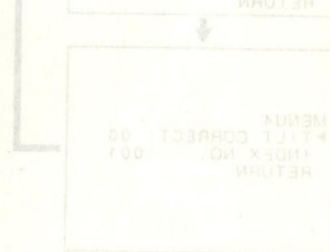


- 2 Slide the AC plug holder over the cord until it connects to the attached holder.



To remove the AC power cord

Squeeze the left and right sides and pull out the AC plug holder.



Using on-screen menus

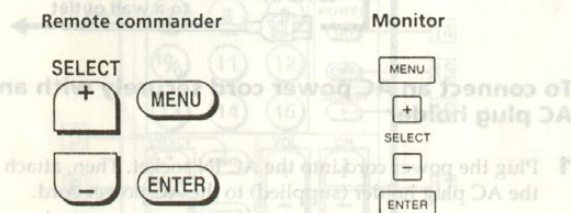
Operating through menus

There are four buttons (keys) on the monitor and the remote commander for menu operations.

To display a menu, first press MENU. Press + or - to move the cursor (►) and press ENTER to select an item.

To return to the normal screen, press the selected line input button (key).

Menu operating buttons



Each time you press MENU, the screen changes as shown below. For details see the following guide.

```

MENU1 LINE1
► CONTRAST : 50
  PHASE    : 00
  CHROMA   : 00
  BRIGHTNESS : 00
  BLUE ONLY : OFF
  MATRIX   : OFF
  RESET1
  
```

```

MENU2 LINE1
► H CENT : 00
  V CENT : 00
  H SIZE : 00
  V SIZE : 00
  RESET2
  DEGAUSS
  RETURN
  
```

```

MENU3 LINE1
► APERTURE : 32
  VM       : ON
  16:9     : OFF
  PAL      : OFF
  COL TEMP : 6500
  RESET3
  RETURN
  
```

```

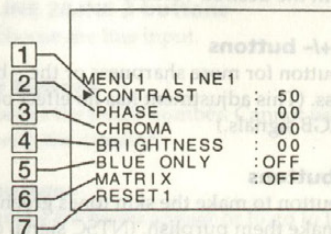
MENU4
► TILT CORRECT : 00
  INDEX NO.    : 001
  RETURN
  
```

Menu guide

You can adjust the picture for each line input. Select the line input by pressing the line input button (key) before making adjustments.

The items on Menu 4 are common for all line inputs.

Menu 1



1 CONTRAST

Press + to increase the contrast and press - to decrease it.

2 PHASE

Press + to make the skin tones greenish and press - to make them purplish. (NTSC signal only)
(Set MATRIX to OFF when adjusting this item.)

3 CHROMA

Press + to increase the color intensity and press - to decrease it.
(Set MATRIX to OFF when adjusting this item.)

4 BRIGHTNESS

Press + to make the picture brighter and press - to make it darker.

5 BLUE ONLY

Select ON to turn off the red and green signals. Only a blue signal is displayed on the screen. This facilitates "chroma" and "phase" (NTSC signal only) control adjustments.

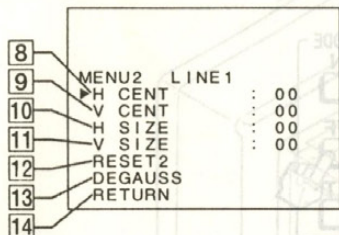
6 MATRIX

Select ON to activate the matrix circuit that may correct skin tones. (NTSC signal only)

7 RESET1

Select to restore the factory settings in MENU 1.

Menu 2



8 H CENT

Adjusts the horizontal centering. Press + to move the picture to the right and press - to move it to the left.

9 V CENT

Adjusts the vertical centering. Press + to move the picture up and press - to move it down.

10 H SIZE

Adjusts the horizontal picture size. Press + to enlarge the horizontal size and press - to diminish it.

11 V SIZE

Adjusts the vertical picture size. Press + to enlarge the vertical size and press - to diminish it.

12 RESET2

Select to restore the factory settings in MENU 2.

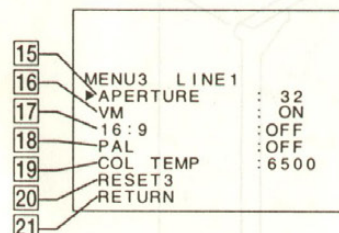
13 DEGAUSS

Select to demagnetize the screen. Wait for 10 minutes or more before activating this feature again. The same interval is needed after turning on the monitor.

14 RETURN

Select to return to the MENU 1 screen.

Menu 3



15 APERTURE

Adjusts the picture sharpness. Press + for more sharpness or press - for less sharpness. (This adjustment has no effect on the pictures of RGB signals.)

16 VM

Select ON to emphasize sharpness and to reproduce a clear picture. (This adjustment has no effect on the pictures of RGB signals.)

17 16:9

Select ON for a 16:9 picture signal.

18 PAL

Select ON when the monitor does not recognize the PAL signal. (You must select ON when the PAL60 signal is input.)

19 COL TEMP

Select the color temperature from among 9300K, 6500K and 3200K.

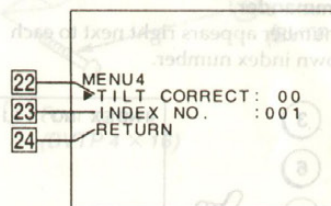
20 RESET3

Select to restore the factory settings in MENU 3.

21 RETURN

Select to return to the MENU 2 screen.

Menu 4



22 TILT CORRECT

Adjusts the picture tilt due to the influence of the earth's magnetism. Press + to rotate the picture clockwise and press - to rotate it counterclockwise.

23 INDEX NO.

Sets the index number of the monitor. You cannot set the number with the remote commander. Use the keys on the monitor. For more information about the index number, see "Operating a specific monitor with the remote commander."

24 RETURN

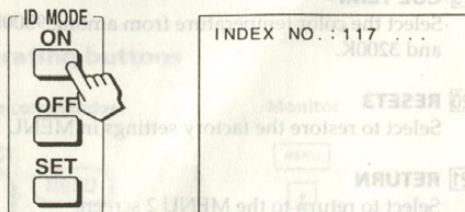
Select to return to the MENU 3 screen.

Operating a specific monitor with the remote commander

By following procedure, you can operate a specific monitor with the remote commander without affecting other monitors that are installed together.

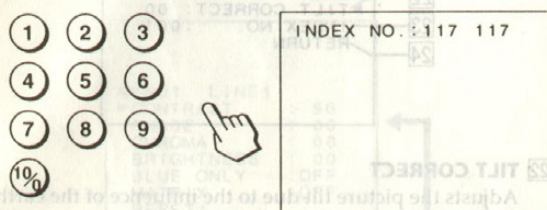
1 Press ID MODE ON on the remote commander.

Monitor index numbers appear in white characters on all the monitors. (Every monitor has its own index number from 1 to 255 as factory preset.)



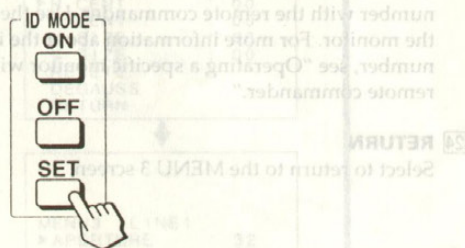
2 Input the index number of the monitor you want to operate using 0 - 9 buttons of the remote commander.

The input number appears right next to each monitor's own index number.



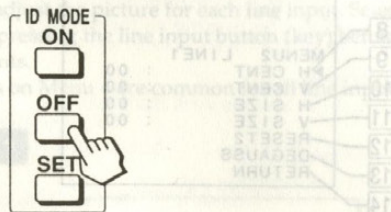
3 Press ID MODE SET.

The character on the selected monitor changes to cyan while others change to red.



Now you can operate only a specified monitor. (All operations available in ID mode except POWER ON/OFF.)

4 After necessary adjustment, press ID MODE OFF. The monitor returns to the normal mode.



To change the index number

You can change the index number if necessary. You cannot change the number with the remote commander. Use the keys on the monitor.

1 Display MENU 4 screen with pressing the MENU button.

2 Select INDEX NO. and press ENTER.

3 Select the index number with the SELECT +/- buttons and press ENTER.

Adjust the horizontal picture size. Press + to enlarge the picture and press - to diminish it.

Adjust the vertical picture size. Press + to enlarge the picture and press - to diminish it.

Select to restore the factory settings in MENU 1 screen.

Select to demagnetize the screen. Wait for 10 minutes or more before activating this feature again. The monitor interval is needed after turning on the monitor.

Select to return to the MENU 1 screen.

Select to return to the MENU 1 screen.

Select to return to the MENU 1 screen.

Select to return to the MENU 1 screen.

Select to return to the MENU 1 screen.

Select to return to the MENU 1 screen.

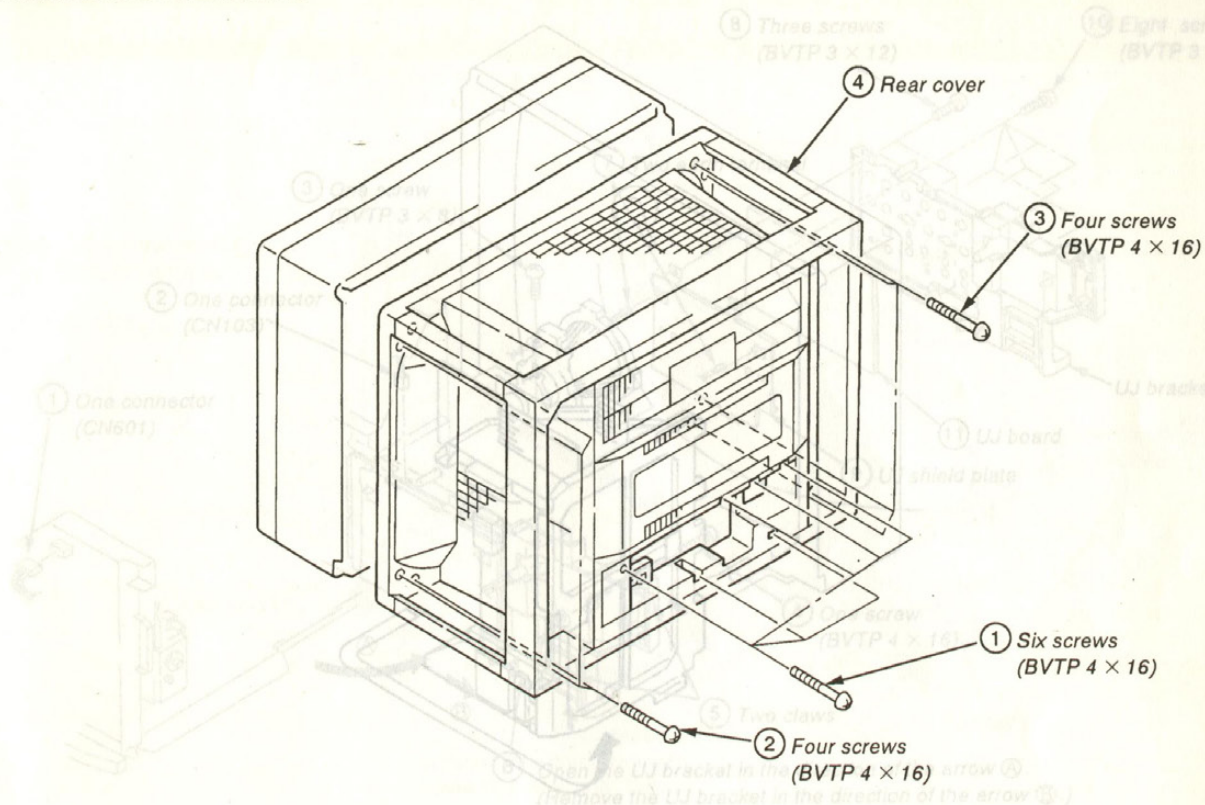
Select to return to the MENU 1 screen.

Select to return to the MENU 1 screen.

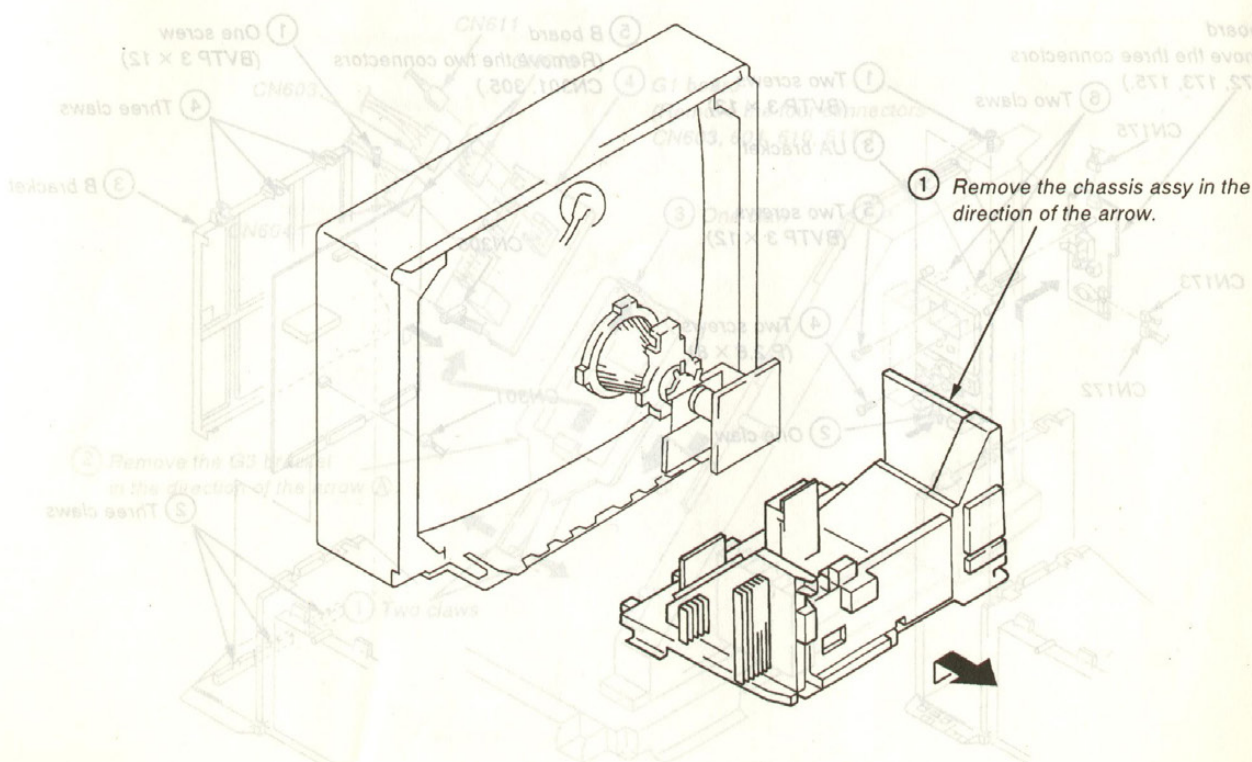
Select to return to the MENU 1 screen.

SECTION 2 DISASSEMBLY

2-1. REAR COVER REMOVAL

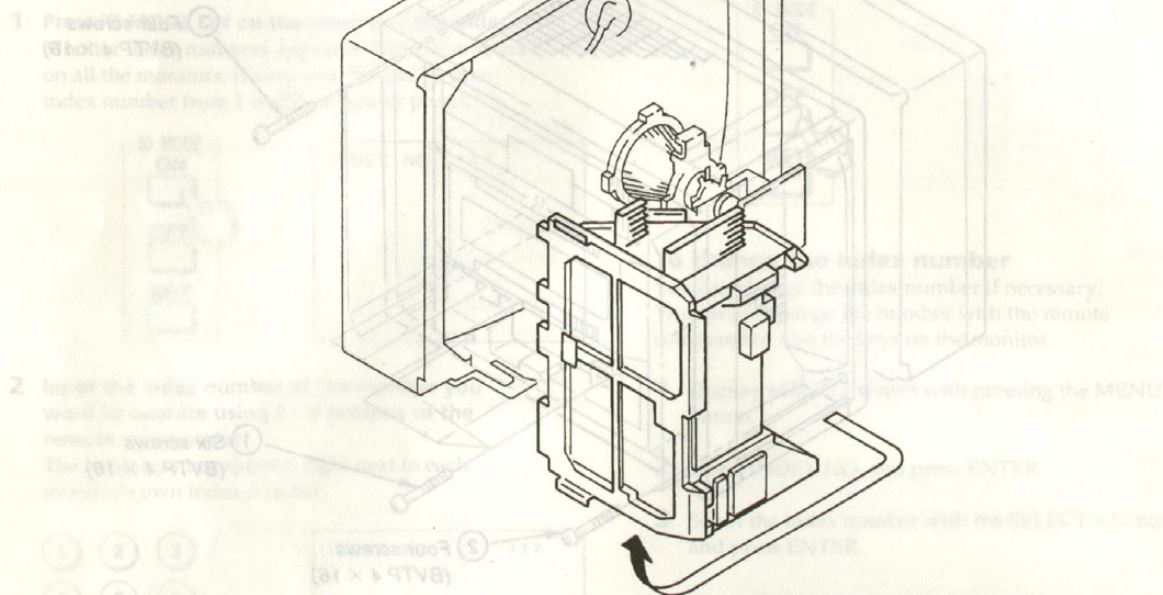


2-2. CHASSIS ASSY REMOVAL

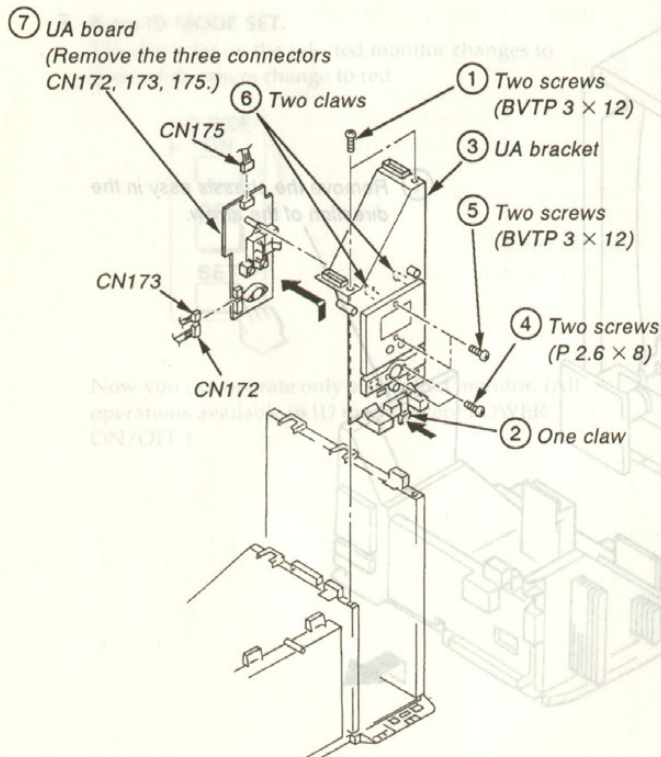


2-3. SERVICE POSITION

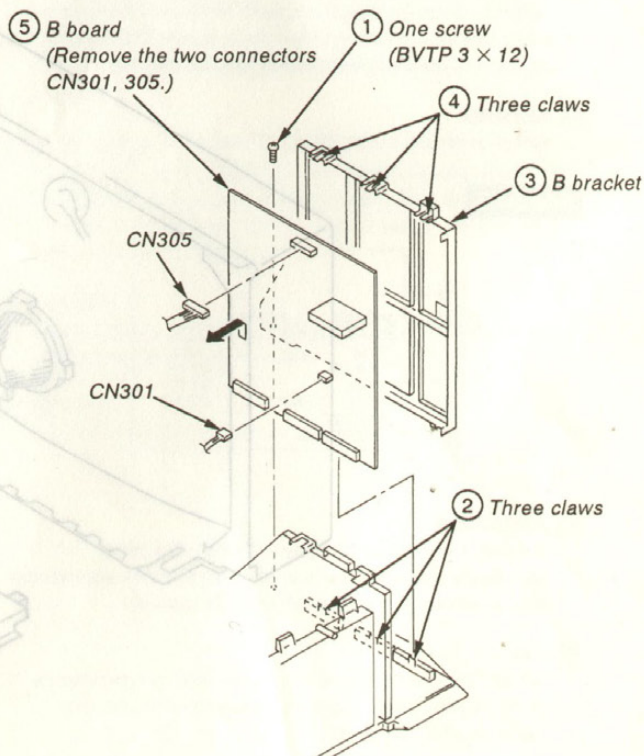
By following procedure, you can convert the monitor with the remote commander to the service position. This procedure is not applicable to the other monitors that are installed together.



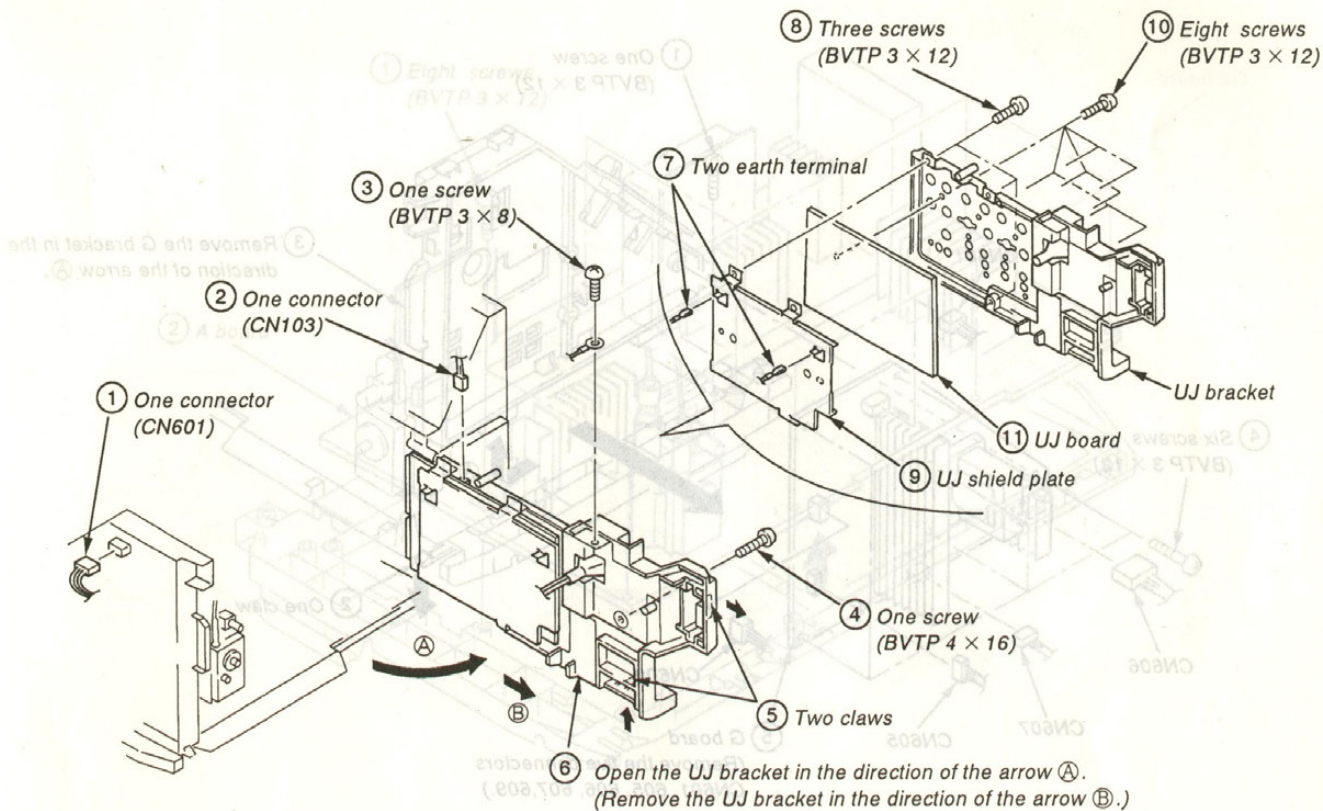
2-4. UA BOARD REMOVAL



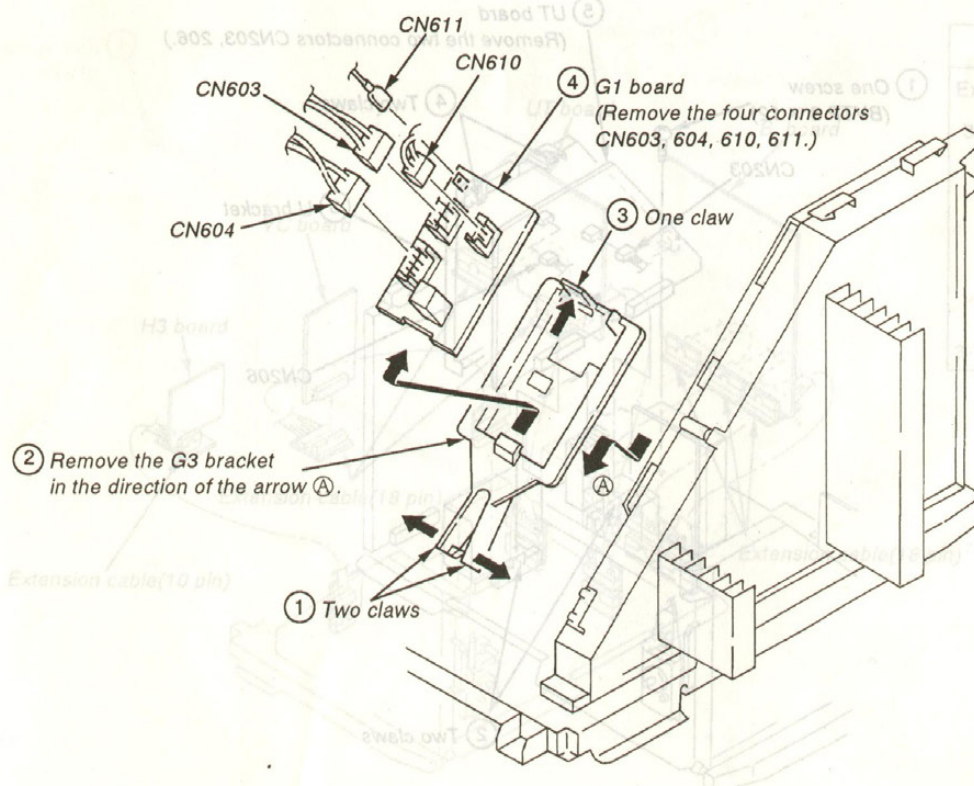
2-5. B BOARD REMOVAL



2-6. UJ BOARD REMOVAL

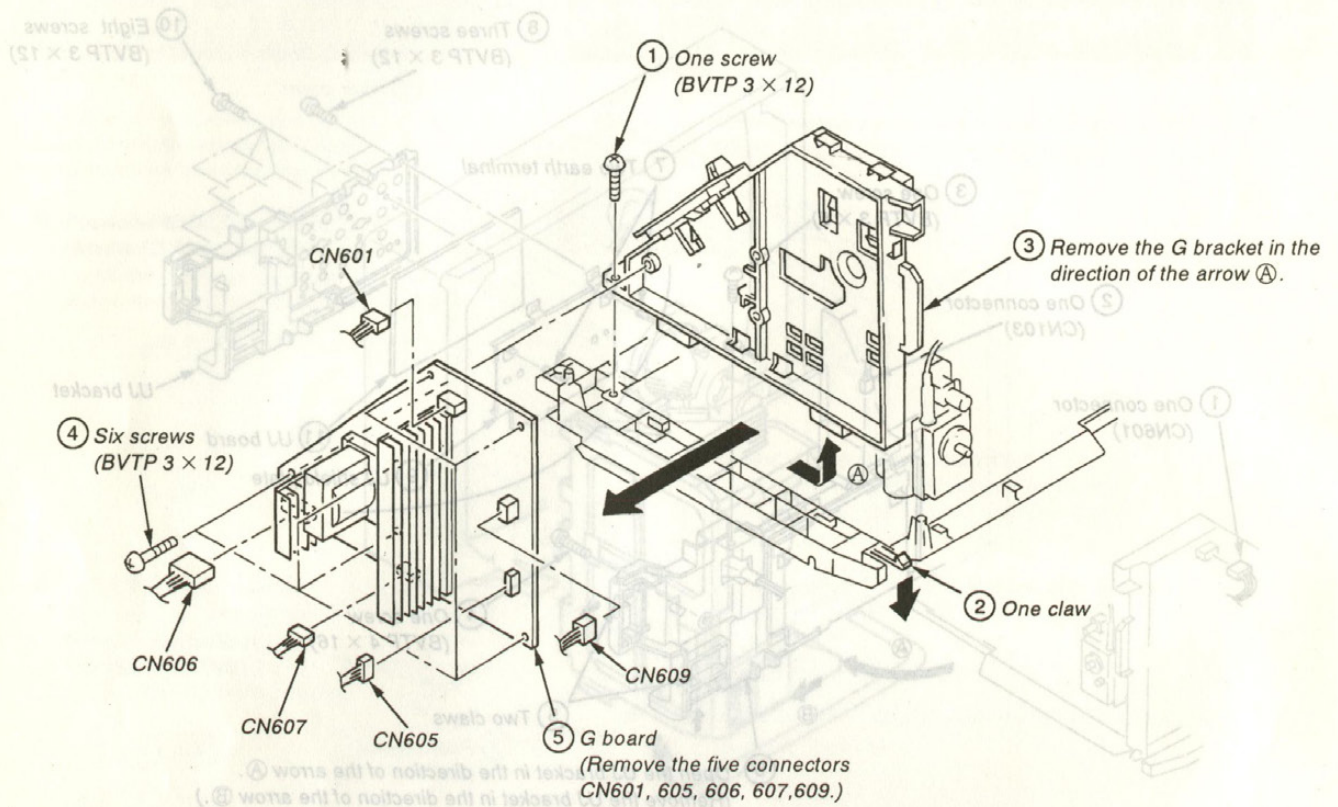


2-7. G1 BOARD REMOVAL



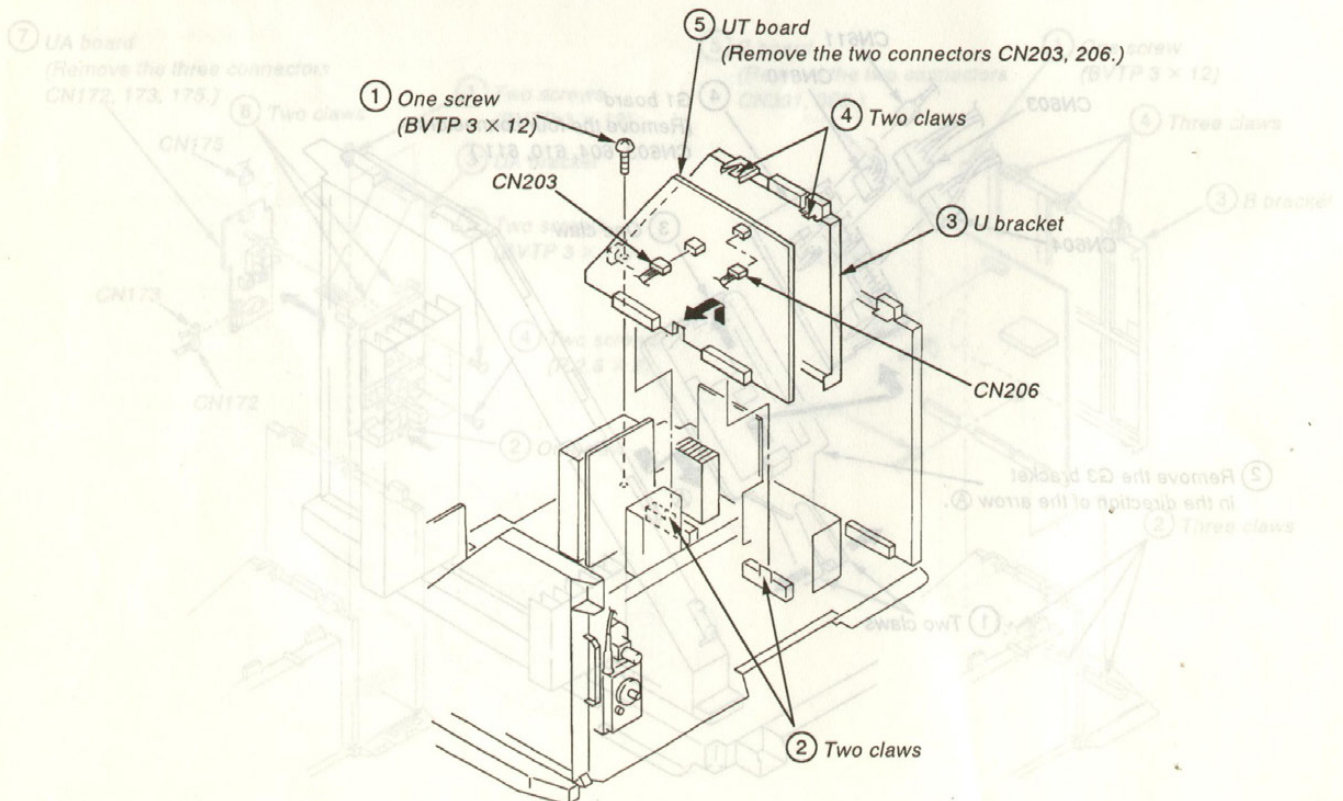
2-8. G BOARD REMOVAL

2-8. G BOARD REMOVAL

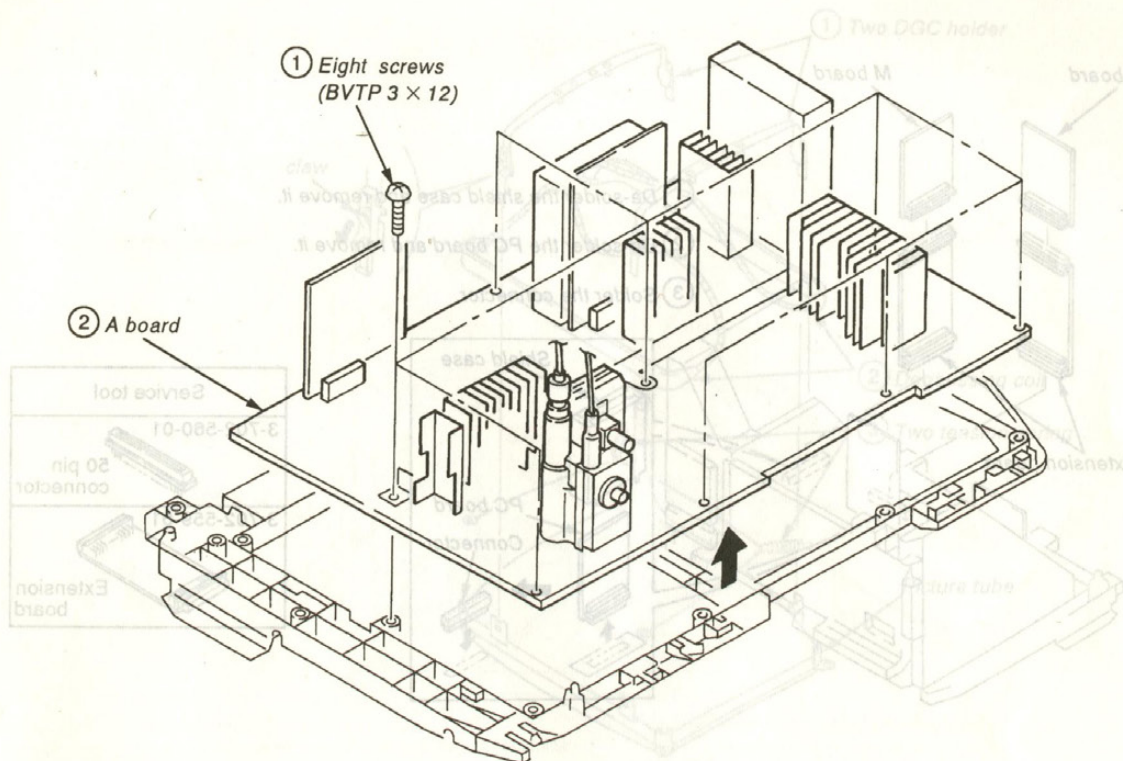


2-9. UT BOARD REMOVAL

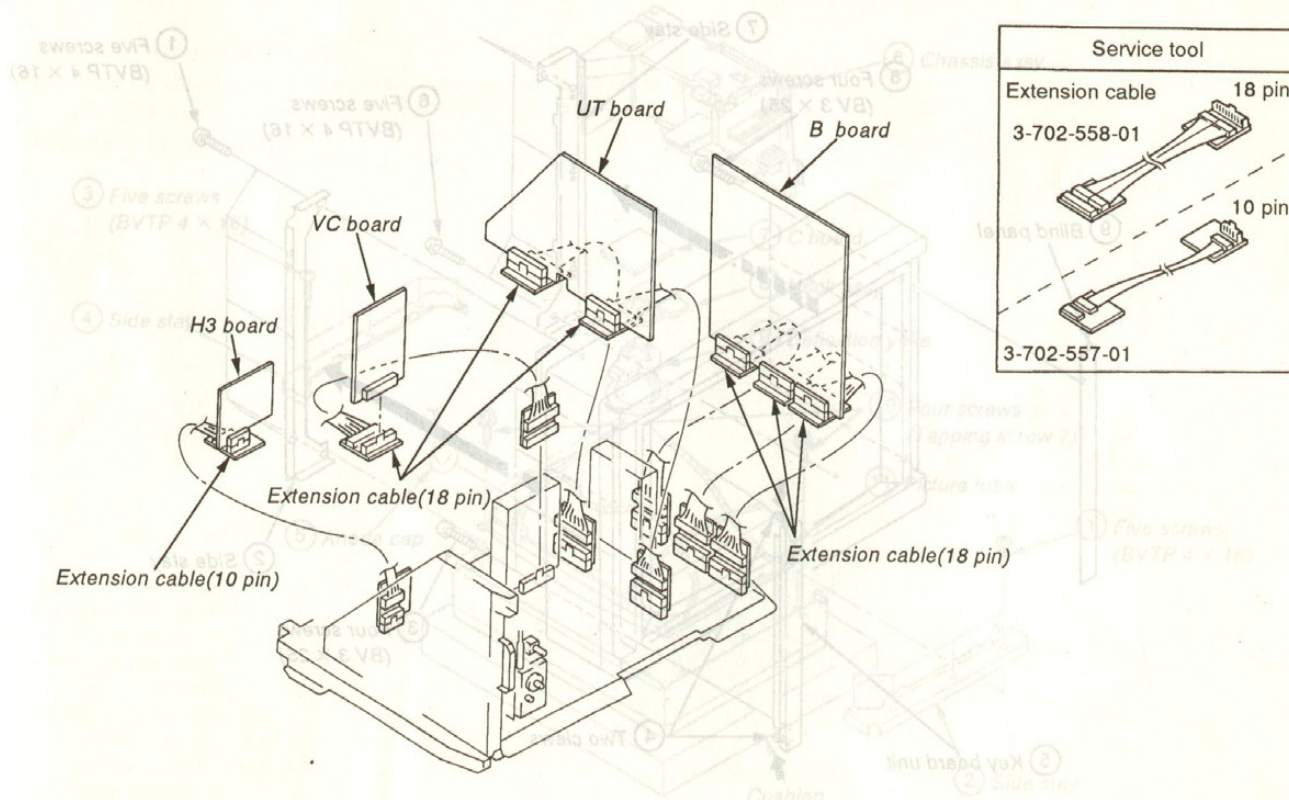
2-9. UT BOARD REMOVAL



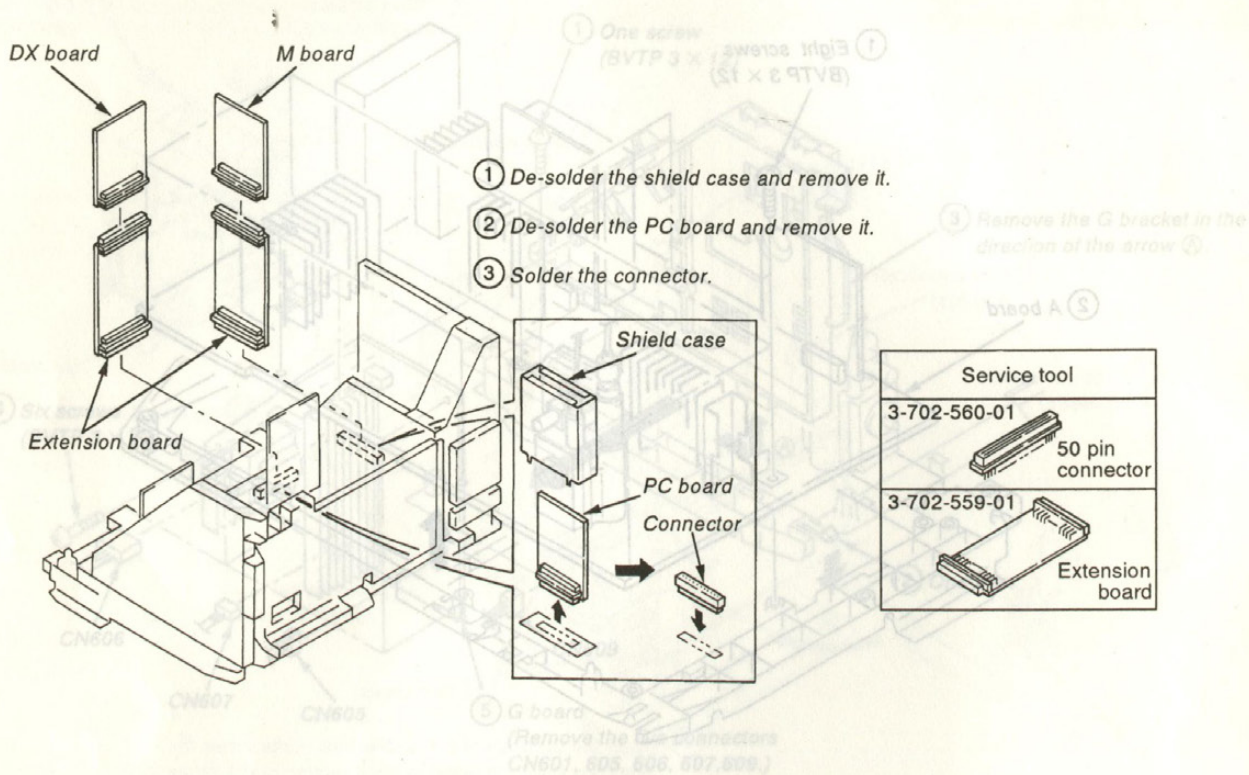
2-10. A BOARD REMOVAL



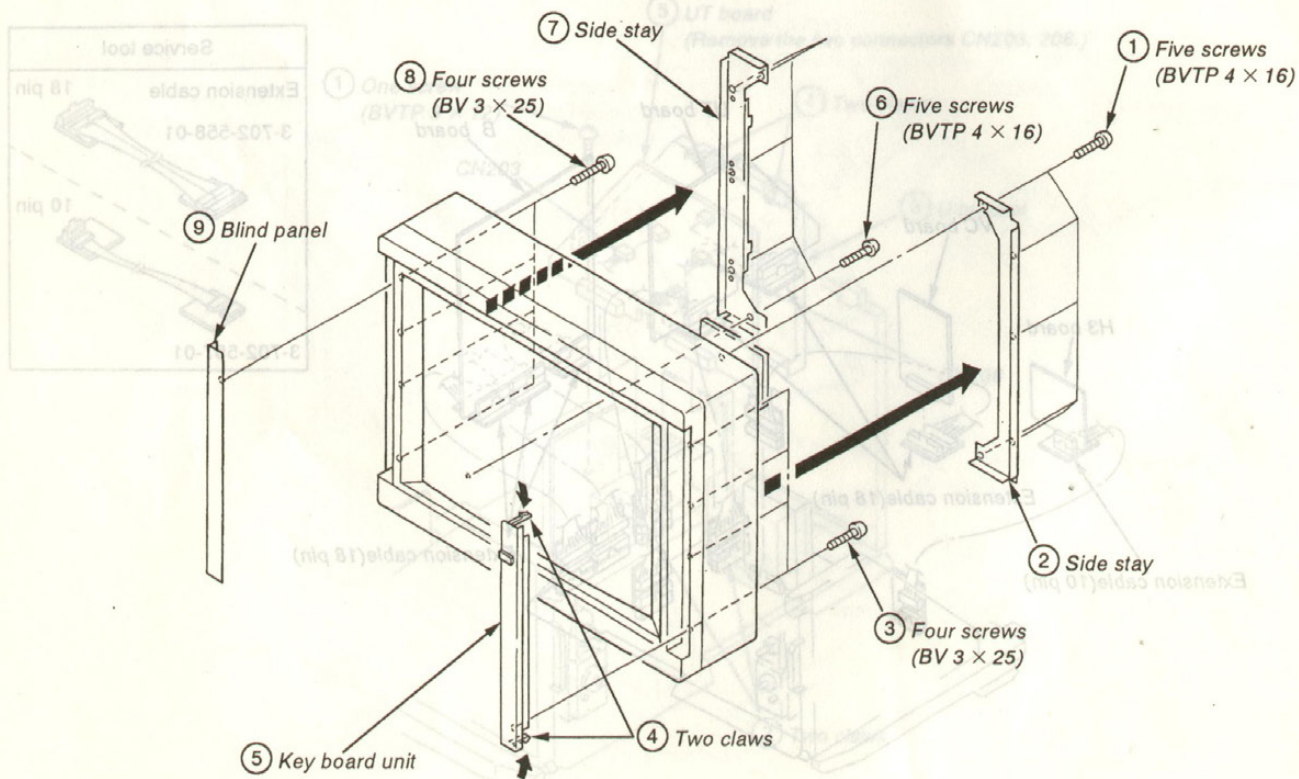
2-11. EXTENSION CABLE



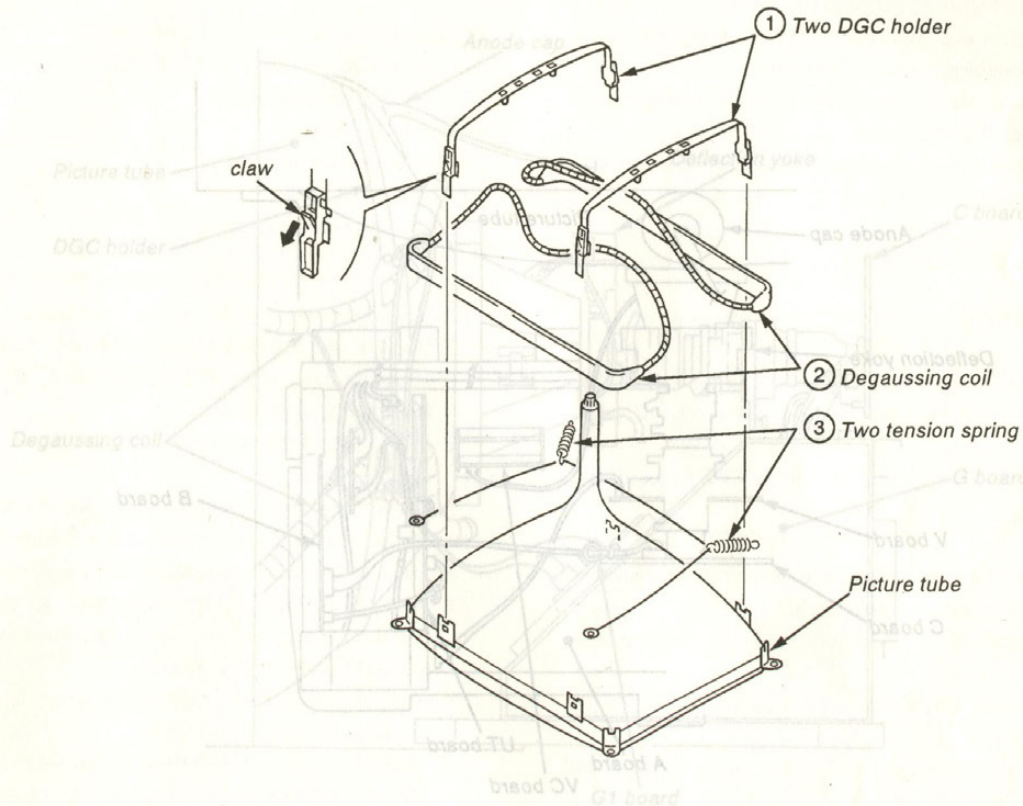
2-12. EXTENSION BOARD



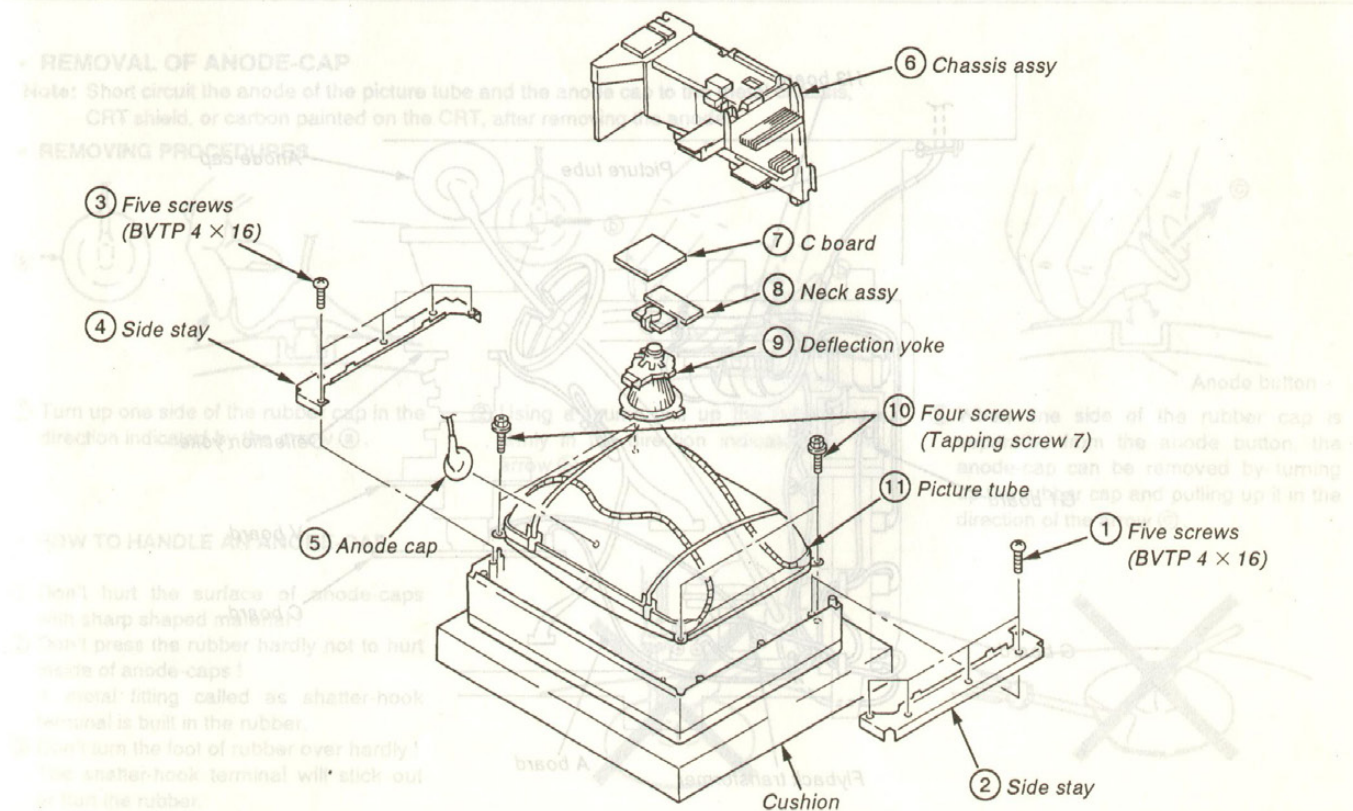
2-13. KEY BOARD UNIT AND BLIND PANEL REMOVAL



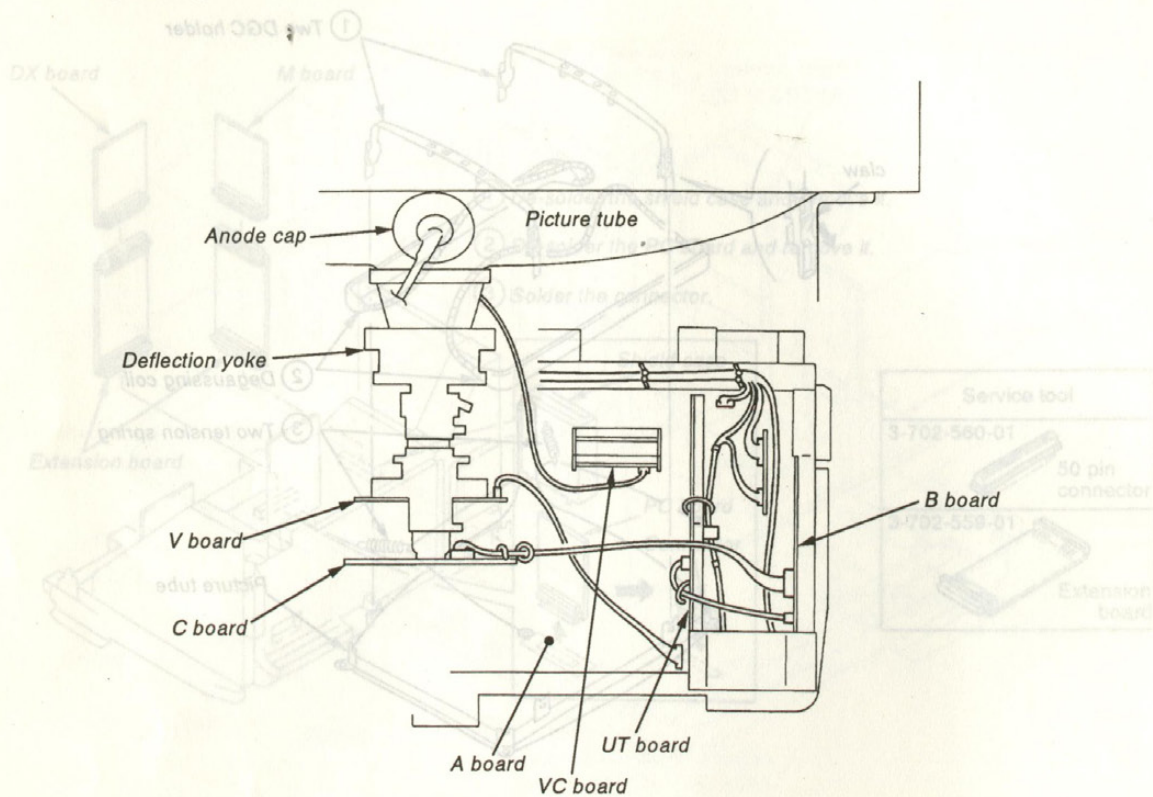
2-14. DEGAUSSING COIL REMOVAL



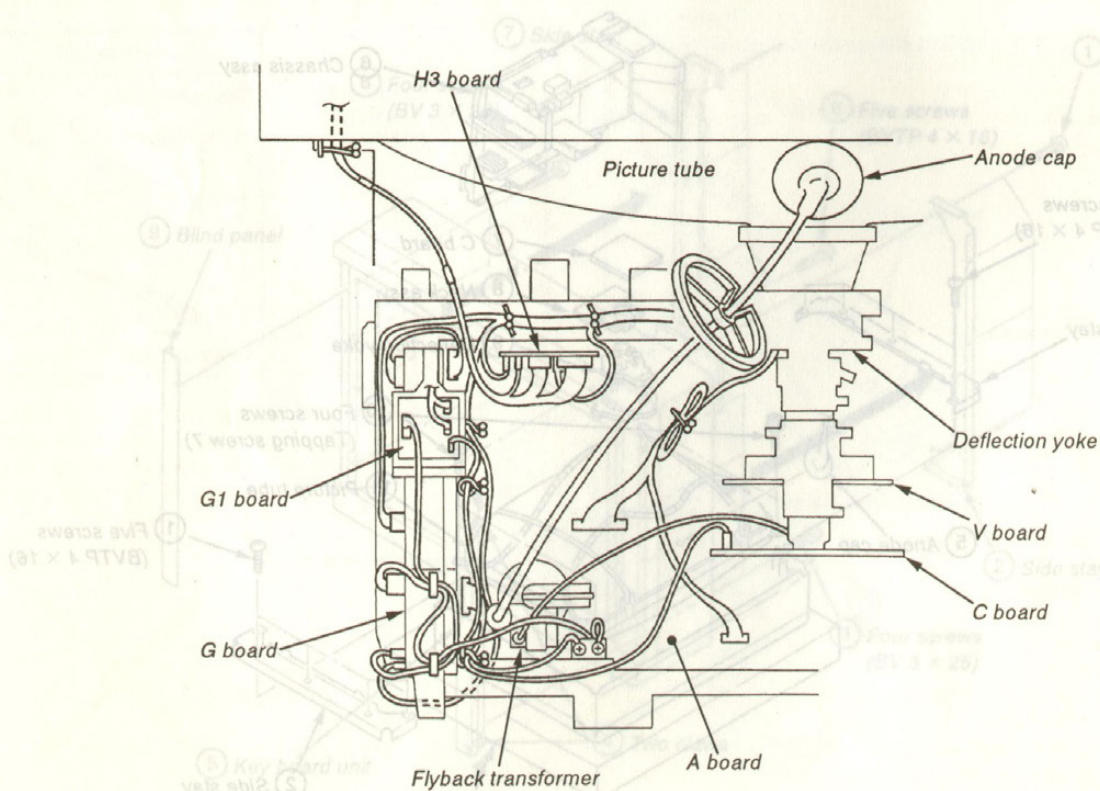
2-15. PICTURE TUBE REMOVAL



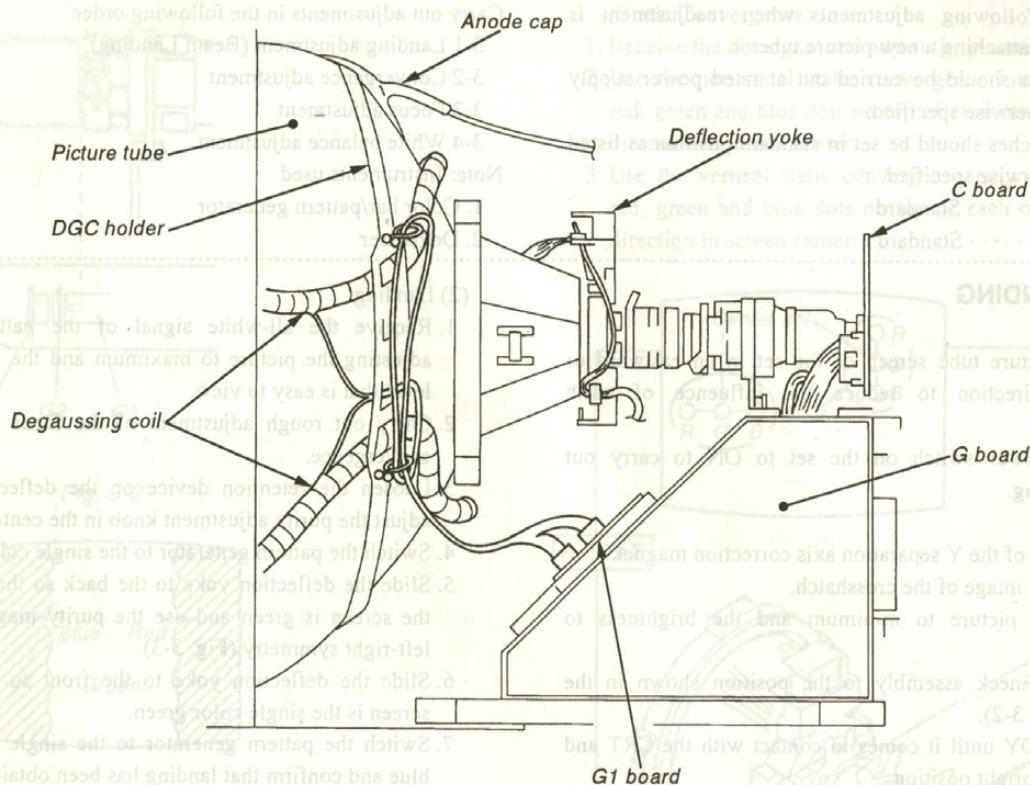
2-16. HARNESS LOCATION (1) TOP VIEW (RIGHT)



(2) TOP VIEW (LEFT)



(3) LEFT SIDE VIEW



• REMOVAL OF ANODE-CAP

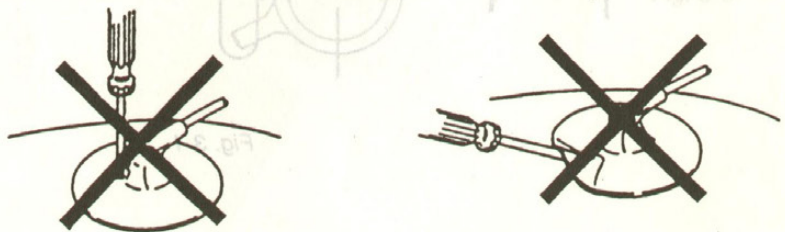
Note: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield, or carbon painted on the CRT, after removing the anode.

• REMOVING PROCEDURES

-
- Turn up one side of the rubber cap in the direction indicated by the arrow (a).
 - Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow (b).
 - When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow (c).

• HOW TO HANDLE AN ANODE-CAP

- Don't hurt the surface of anode-caps with sharp shaped material!
- Don't press the rubber cap hardly not to hurt inside of anode-caps!
A metal fitting called as shatter-hook terminal is built in the rubber.
- Don't turn the foot of rubber over hardly!
The shatter-hook terminal will stick out or hurt the rubber.



SECTION 3 SET-UP ADJUSTMENTS

- Carry out the following adjustments when readjustment is required or when attaching a new picture tube.
- These adjustments should be carried out at rated power supply voltage unless otherwise specified.

Controls and switches should be set in standard position as listed below unless otherwise specified.

Contrast Standard

Brightness Standard

3-1. BEAM LANDING

Preparations

1. Face the picture tube screen of the set in an eastward or westward direction to reduce the influence of earth magnetism.
2. Turn the power switch on the set to ON to carry out demagnetizing.

(1) Adjustment of the Y separation axis correction magnet.

1. Receive the image of the crosshatch.
2. Adjust the picture to minimum and the brightness to standard.
3. Secure the neck assembly to the position shown in the figure (Fig. 3-2).
4. Move the DY until it comes in contact with the CRT and set it in a upright position.
5. Open and close the Y separation axis correction magnet on the neck assembly until there is up-down symmetry and adjust so that the upper and lower pins are symmetrical.
6. Return the DY to the original position.

Carry out adjustments in the following order.

3-1 Landing adjustment (Beam Landing)

3-2 Convergence adjustment

3-3 Focus adjustment

3-4 White balance adjustment

Note: Instruments used

1. Color bar/pattern generator

2. Degausser

(2) Landing

1. Receive the all-white signal of the pattern generator, adjusting the picture to maximum and the brightness to a level that is easy to view.
2. Carry out rough adjustment of the focus and horizontal convergence.
3. Loosen the retention device on the deflection yoke and adjust the purity adjustment knob in the center (Fig. 3-1).
4. Switch the pattern generator to the single color green.
5. Slide the deflection yoke to the back so that the center of the screen is green and use the purity magnet to achieve left-right symmetry (Fig. 3-3).
6. Slide the deflection yoke to the front so that the entire screen is the single color green.
7. Switch the pattern generator to the single colors red and blue and confirm that landing has been obtained.
8. Secure the retention device once the deflection yoke position has been determined.
9. If landing has not been obtained in the corner section, use the magnet to make corrections (Fig. 3-4).

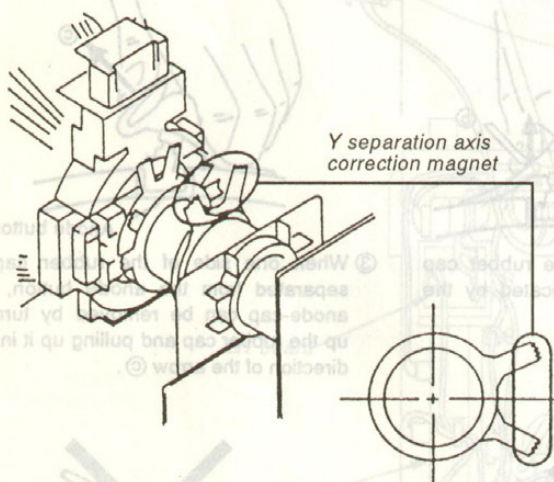
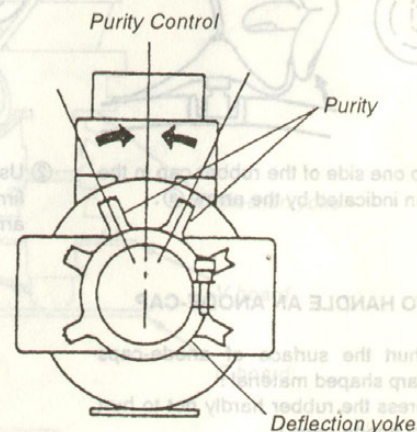


Fig. 3-1



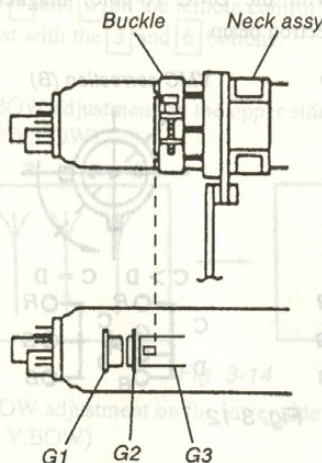


Fig. 3-2

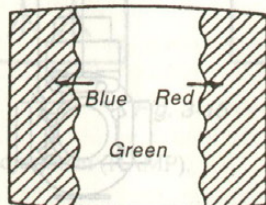


Fig. 3-3

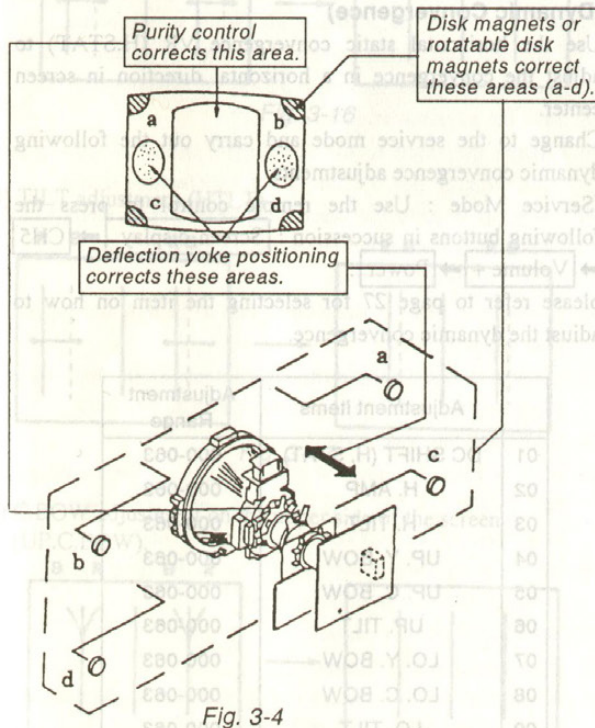


Fig. 3-4

3-2. CONVERGENCE ADJUSTMENT

(1) Screen Center Convergence Adjustment

(Static Convergence)

1. Receive the dot signal and adjust the picture to standard.
2. Use the horizontal static convergence knob to arrange the red, green and blue dots on top of each other in a horizontal direction in screen center.
3. Use the vertical static convergence magnet to arrange the red, green and blue dots on top of each other in a vertical direction in screen center.

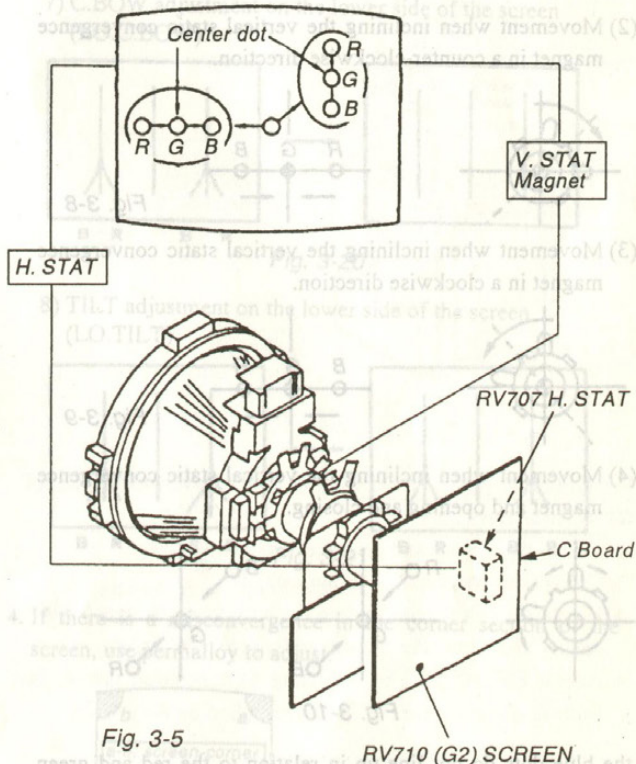


Fig. 3-5

※ If the dots do not become arranged in a horizontal direction within the adjustment range for the horizontal static convergence knob, simultaneously use the vertical static convergence magnet to adjust while taking tracking. (Incline the vertical static convergence and adjust by opening and closing the knob.)

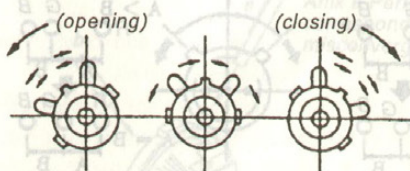


Fig. 3-6

SECTION 3

4. Movement of the red, green and blue dots by inclination and opening/closing of the vertical static convergence magnet.

(1) Movement when opening and closing the vertical static convergence magnet.

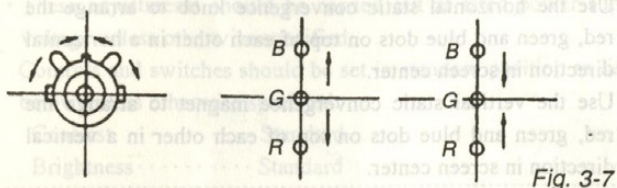


Fig. 3-7

(2) Movement when inclining the vertical static convergence magnet in a counter-clockwise direction.

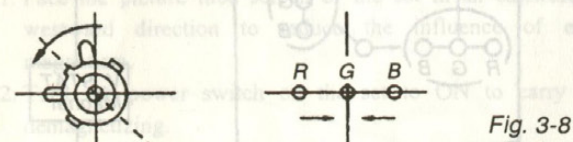


Fig. 3-8

(3) Movement when inclining the vertical static convergence magnet in a clockwise direction.

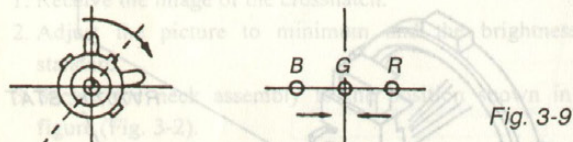


Fig. 3-9

(4) Movement when inclining the vertical static convergence magnet and opening and closing.

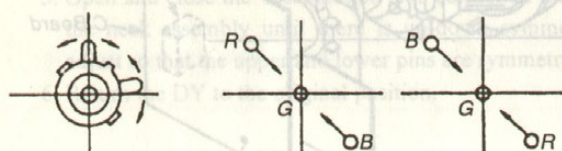


Fig. 3-10

※ If the blue dots do not line up in relation to the red and green dots, correct with the BMC (6-pole) magnet.

5. Correction of HMC (horizontal misconvergence) and VMC (vertical misconvergence) with the BMC (6-pole) magnet.

(1) HMC correction with the BMC (6-pole) magnet and movement of the electron beam.

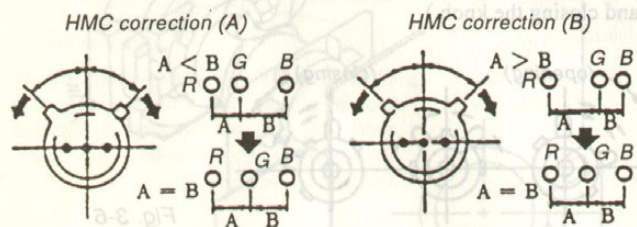


Fig. 3-11

(2) VMC correction with the BMC (6-pole) magnet and movement of the electron beam.

VMC correction (A)

VMC correction (B)

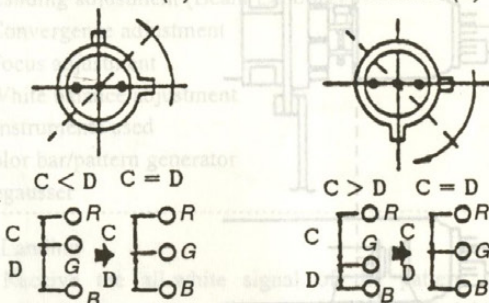


Fig. 3-12

Position of the knob

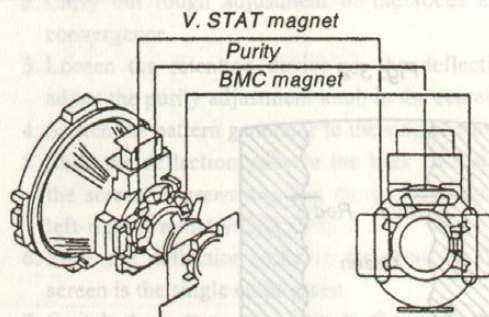


Fig. 3-13

(2) Convergence Adjustment on the Screen Periphery (Dynamic Convergence)

1. Use the horizontal static convergence VR (H.STAT) to adjust the convergence in a horizontal direction in screen center.
2. Change to the service mode and carry out the following dynamic convergence adjustments.

(Service Mode : Use the remote control to press the following buttons in succession : **Screen display** → **CH5** → **Volume +** → **Power** .

please refer to page 27 for selecting the item on how to adjust the dynamic convergence.

	Adjustment Items	Adjustment Range
01	DC SHIFT (H. STAT)	000-063
02	H. AMP	000-063
03	H. TILT	000-063
04	UP. Y. BOW	000-063
05	UP. C. BOW	000-063
06	UP. TILT	000-063
07	LO. Y. BOW	000-063
08	LO. C. BOW	000-063
09	LO. TILT	000-063

SECTION 5

3. Press **1** and **4** on the remote control to select the items.
Adjust with the **3** and **6** buttons.

- 1) Y.BOW adjustment on the upper side of the screen
(UP.Y.BOW).

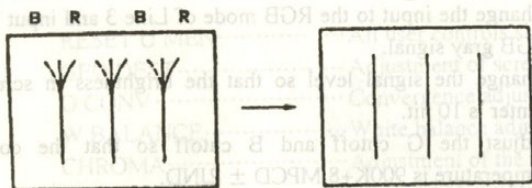


Fig. 3-14

- 2) Y.BOW adjustment on the lower side of the screen
(LO.Y.BOW)

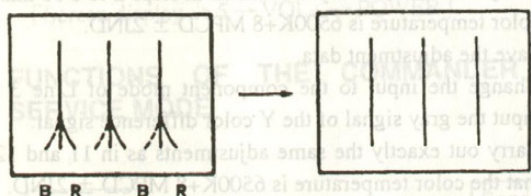


Fig. 3-15

- 3) H.AMP adjustment (HAMP).

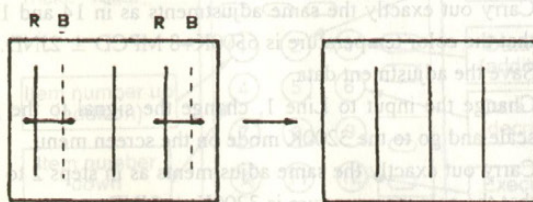


Fig. 3-16

- 4) TILT adjustment (HTLT)

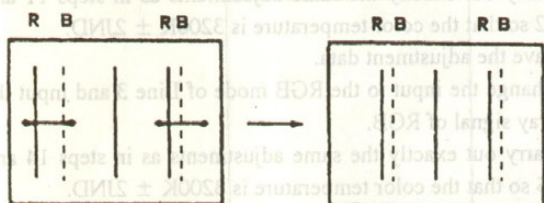


Fig. 3-17

- 5) C.BOW adjustment on the upper side of the screen
(UP.C.BOW).

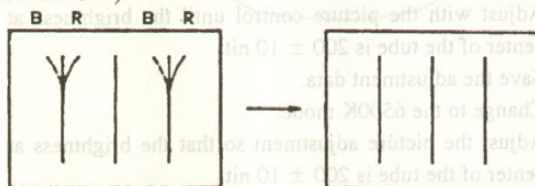


Fig. 3-18

- 6) TILT adjustment on the upper side of the screen
(UP.TILT).

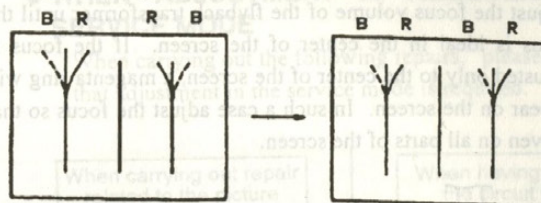


Fig. 3-19

- 7) C.BOW adjustment on the lower side of the screen
(LO.C.BOW).

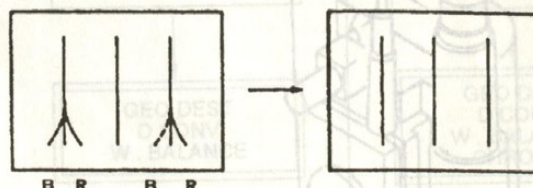


Fig. 3-20

- 8) TILT adjustment on the lower side of the screen
(LO.TILT).

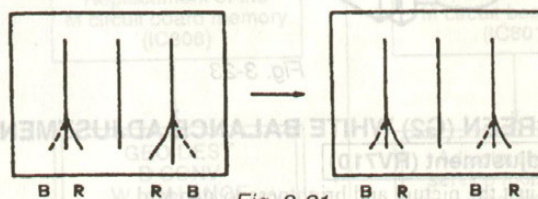


Fig. 3-21

4. If there is a misconvergence in the corner section of the screen, use permalloy to adjust.

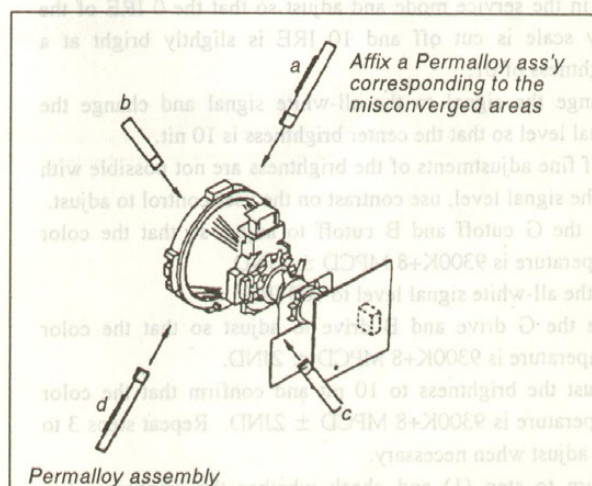
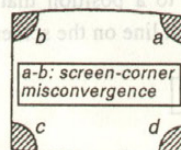


Fig. 3-22

3-3. FOCUS ADJUSTMENT

1. Receive a broadcast.
2. Adjust the picture to standard condition.
3. Adjust the focus volume of the flyback transformer until the focus is ideal in the center of the screen. If the focus is adjusted only to the center of the screen, a magenta ring will appear on the screen. In such a case adjust the focus so that is even on all parts of the screen.

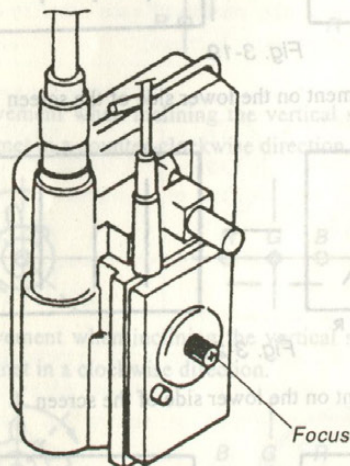


Fig. 3-23

3-4. SCREEN (G2) WHITE BALANCE ADJUSTMENT

G2 Adjustment (RV710)

1. Adjust the picture and brightness to standard.
2. Connect an oscilloscope to the cathode.
3. Remove CN305 connect pin 1, 2, 3 to an external power supply and adjust the cathode voltage to $176 \pm 2V$.
4. Adjust RV710 (G2) by adjusting to a position that is just prior to disappearance of the flyback line on the screen.

WHITE BALANCE ADJUSTMENT

(Caution ; Refer to Page 38)

1. Input the gray scale to Line 1 and select 9300 K on the screen menu.
2. Set so that the user control contrast is minimum and the brightness is reset.
3. Set in the service mode and adjust so that the 0 IRE of the gray scale is cut off and 10 IRE is slightly bright at a brightness of 01.
4. Change the signal to the all-white signal and change the signal level so that the center brightness is 10 nit.

Note : If fine adjustments of the brightness are not possible with the signal level, use contrast on the user control to adjust.

5. Use the G cutoff and B cutoff to adjust so that the color temperature is $9300K+8 \text{ MPCD} \pm 2\text{JND}$.
6. Set the all-white signal level to 100 IRE.
7. Use the G drive and B drive to adjust so that the color temperature is $9300K+8 \text{ MPCD} \pm 2\text{JND}$.
8. Adjust the brightness to 10 nit and confirm that the color temperature is $9300K+8 \text{ MPCD} \pm 2\text{JND}$. Repeat steps 3 to 7 to adjust when necessary.
9. Return to step (1) and check whether the brightness has altered. If so, repeat steps 1-8 to adjust.

10. Input the gray signal of the Y color difference signal to Line 3.
11. Change the signal level so that the center brightness is 10 nit.
12. Adjust the G cutoff and B cutoff so that the color temperature is $9300K+8 \text{ MPCD} \pm 2\text{JND}$.
13. Change the input to the RGB mode of Line 3 and input the RGB gray signal.
14. Change the signal level so that the brightness in screen center is 10 nit.
15. Adjust the G cutoff and B cutoff so that the color temperature is $900K+8 \text{ MPCD} \pm 2\text{JND}$.
16. Save the adjustment data.
17. Change the input to Line 1, change the signal to the gray scale and go to the 6500K mode on the screen menu.
18. Carry out the same adjustments as in steps 2 to 8 so that the color temperature is $6500K+8 \text{ MPCD} \pm 2\text{JND}$.
19. Save the adjustment data.
20. Change the input to the component mode of Line 3 and input the gray signal of the Y color difference signal.
21. Carry out exactly the same adjustments as in 11 and 12 so that the color temperature is $6500K+8 \text{ MPCD} \pm 2\text{JND}$.
22. Save the adjustment data.
23. Change the input to the RGB mode of Line 3 and input the RGB gray signal.
24. Carry out exactly the same adjustments as in 14 and 15 so that the color temperature is $6500K+8 \text{ MPCD} \pm 2\text{JND}$.
25. Save the adjustment data.
26. Change the input to Line 1, change the signal to the gray scale and go to the 3200K mode on the screen menu.
27. Carry out exactly the same adjustments as in steps 2 to 8 so that the color temperature is $3200K \pm 2\text{JND}$.
28. Save the adjustment data.
29. Change the input to the component mode of Line 3 and input the gray signal of the Y color difference signal.
30. Carry out exactly the same adjustments as in steps 11 and 12 so that the color temperature is $3200K \pm 2\text{JND}$.
31. Save the adjustment data.
32. Change the input to the RGB mode of Line 3 and input the gray signal of RGB.
33. Carry out exactly the same adjustments as in steps 14 and 15 so that the color temperature is $3200K \pm 2\text{JND}$.
34. Save the adjustment data.
35. Input a window signal of 100 IRE from Line 1 and go to the 9300K mode. In addition, set the contrast and brightness of the user control to the reset state.
36. Adjust with the picture control until the brightness at the center of the tube is $200 \pm 10 \text{ nit}$.
37. Save the adjustment data.
38. Change to the 6500K mode.
39. Adjust the picture adjustment so that the brightness at the center of the tube is $200 \pm 10 \text{ nit}$.
40. Save the adjustment data.
41. Change to the 3200K mode.
42. Adjust the picture adjustment so that the brightness at the center of the tube is $140 \pm 10 \text{ nit}$.
43. Save the adjustment data.

SECTION 4

SAFETY RELATED ADJUSTMENTS

CONFIRMATION OF HOLD-DOWN(R583)

Be sure to carry out the following adjustments after replacing the following parts (indicated with a \blacksquare sign in the circuit chart).

C574, D515, IC501, IC620, Q517, Q518, R578, R580, R581, R582, R583, R584, R585, T504

(1) Confirmation of B+ line.

1. Input a voltage of 130 ± 0.1 VAC and set picture and brightness to minimum level.
2. Confirm that the voltage on the B+ line is 135.6 VDC or less when receiving the dot signal.

(2) Confirmation of hold-down operation

1. Set the power source voltage to AC120V and receive the all-white signal.
2. Adjust the picture and the brightness so that IABL is 1610 ± 50 μ A.
3. Confirm that the hold-down circuit operates and the raster disappears at a voltage of DC 147.3V or less when applying voltage from external DC power source to the ② pin of IC501.

CONFIRMATION OF HOLD-DOWN(R581)

Be sure to carry out the following adjustments after replacing the following parts (indicated with a \blacksquare sign in the circuit chart).

C574, D515, IC501, IC620, Q517, Q518, R578, R580, R581, R582, R583, R584, R585, T504

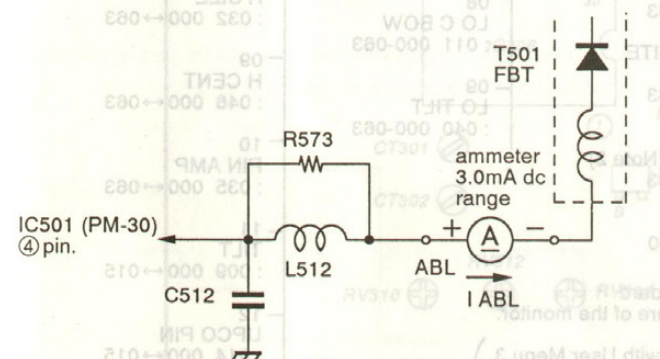
(1) Tertiary winding detection

1. Set the power source voltage to AC120V and receive the all-white signal.
2. Adjust the picture and brightness so that IABL is 1610 ± 50 μ A.
3. Confirm that the hold-down circuit operates and the raster disappears at a voltage of DC147.9V or less when applying voltage from the external DC power source to the ① pin of IC501 on substrate A.

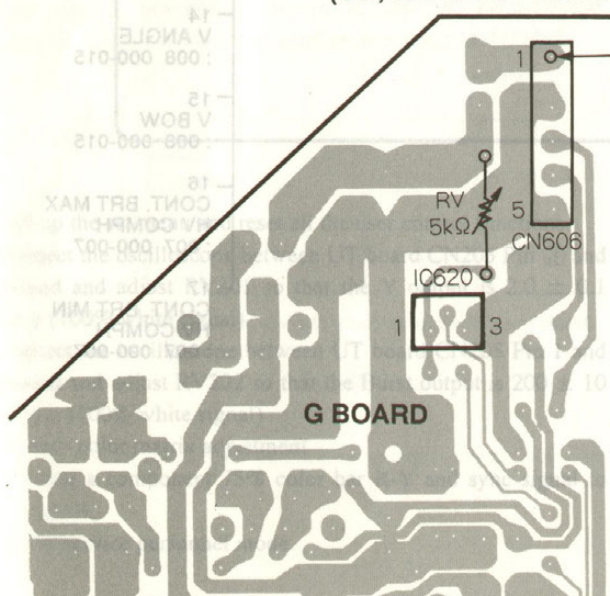
CONFIRMING THE +B VOLTAGE

The following confirmations must be carried out when replacing IC620.

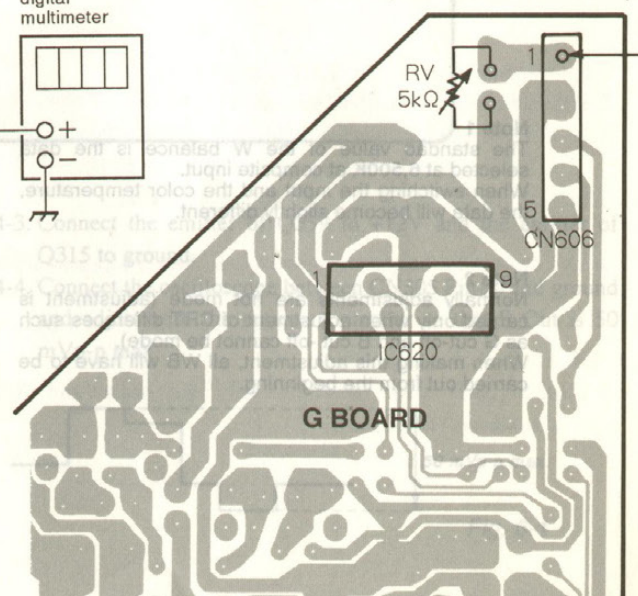
1. Input AC130 ± 0.1 V 60 Hz as the input voltage to the power source section.
2. Receive the dot signal and set CONT and BRT to MIN. At this time the voltage on the +B line should be 135.6 V or less.



(US, Canadian Model)



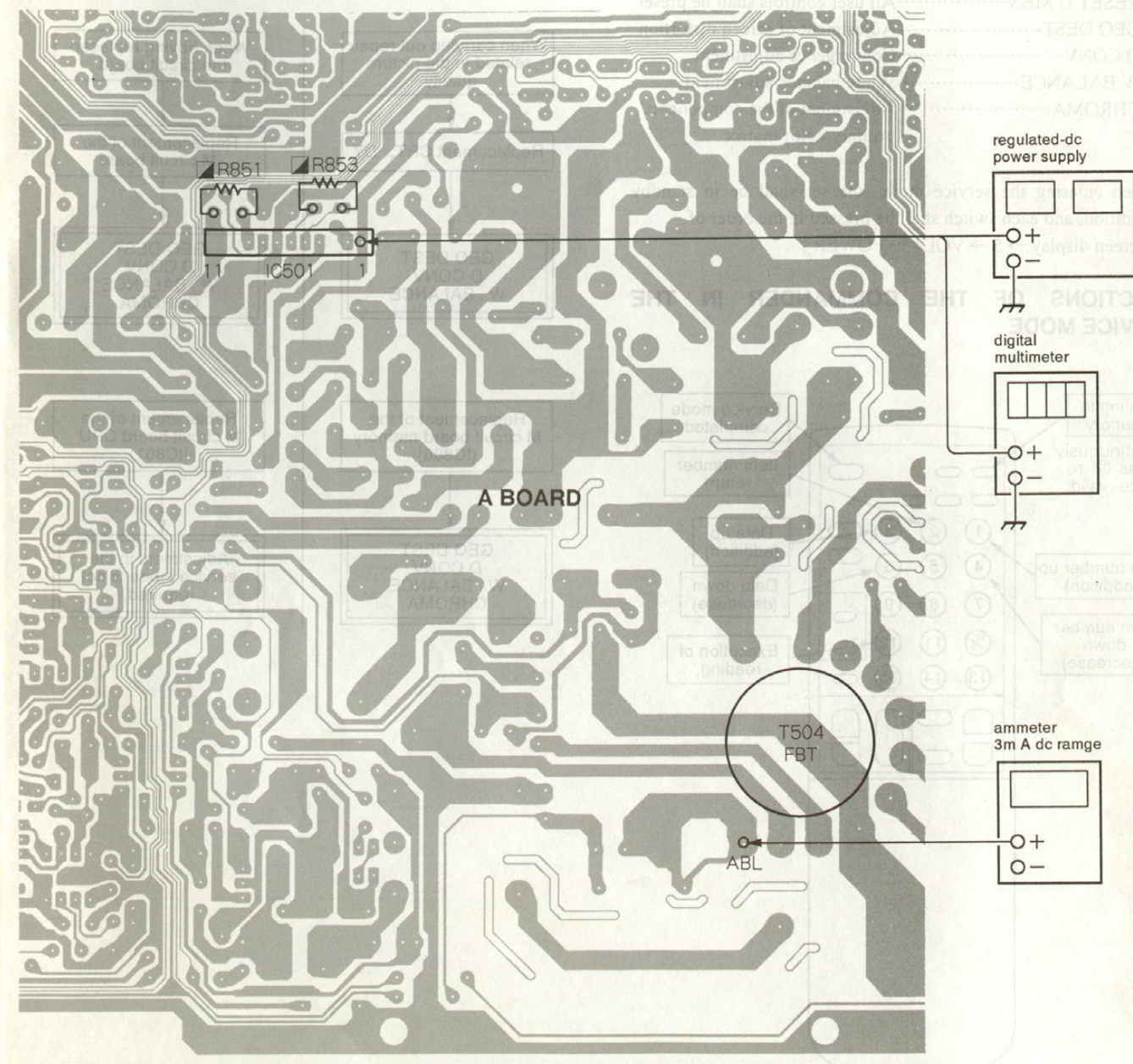
(AEP, AUS Model)



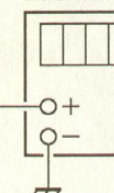
SECTION 5

ELECTRIC ADJUSTMENT IN THE SERVICE MODE

When adjustment is required in the SERVICE MODE, please be aware that adjustment in the service mode is required.



digital multimeter



SECTION 5

ELECTRIC ADJUSTMENT IN THE SERVICE MODE

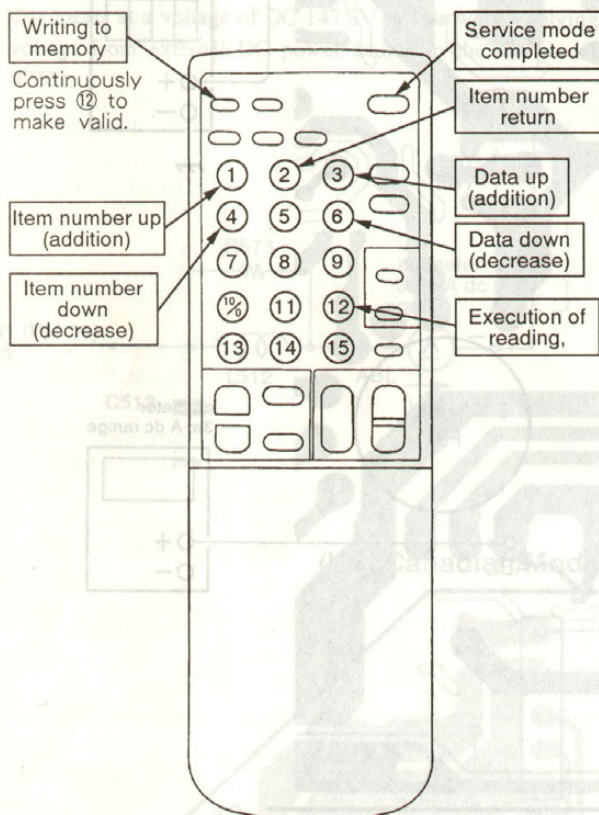
Electric adjustment can be carried out with the remote commander provided with the set (RM-854).

The places to be adjusted in the service mode are as follows.

RESET U MENAll user controls shall be preset.
GEO DESTAdjustment of screen distortion
D CONVConvergence adjustment
W BALANCEWhite balance adjustment
CHROMAAdjustment of the components' primary color matrix

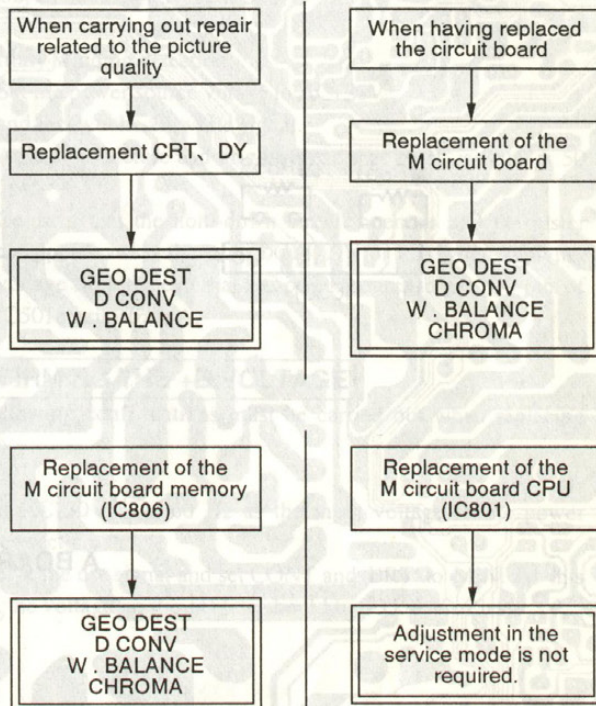
When entering the service mode, the set shall be in standby condition, and each switch shall be pressed in the order of [Screen display → 5 → VOL+ → POWER] .

FUNCTIONS OF THE COMMANDER IN THE SERVICE MODE

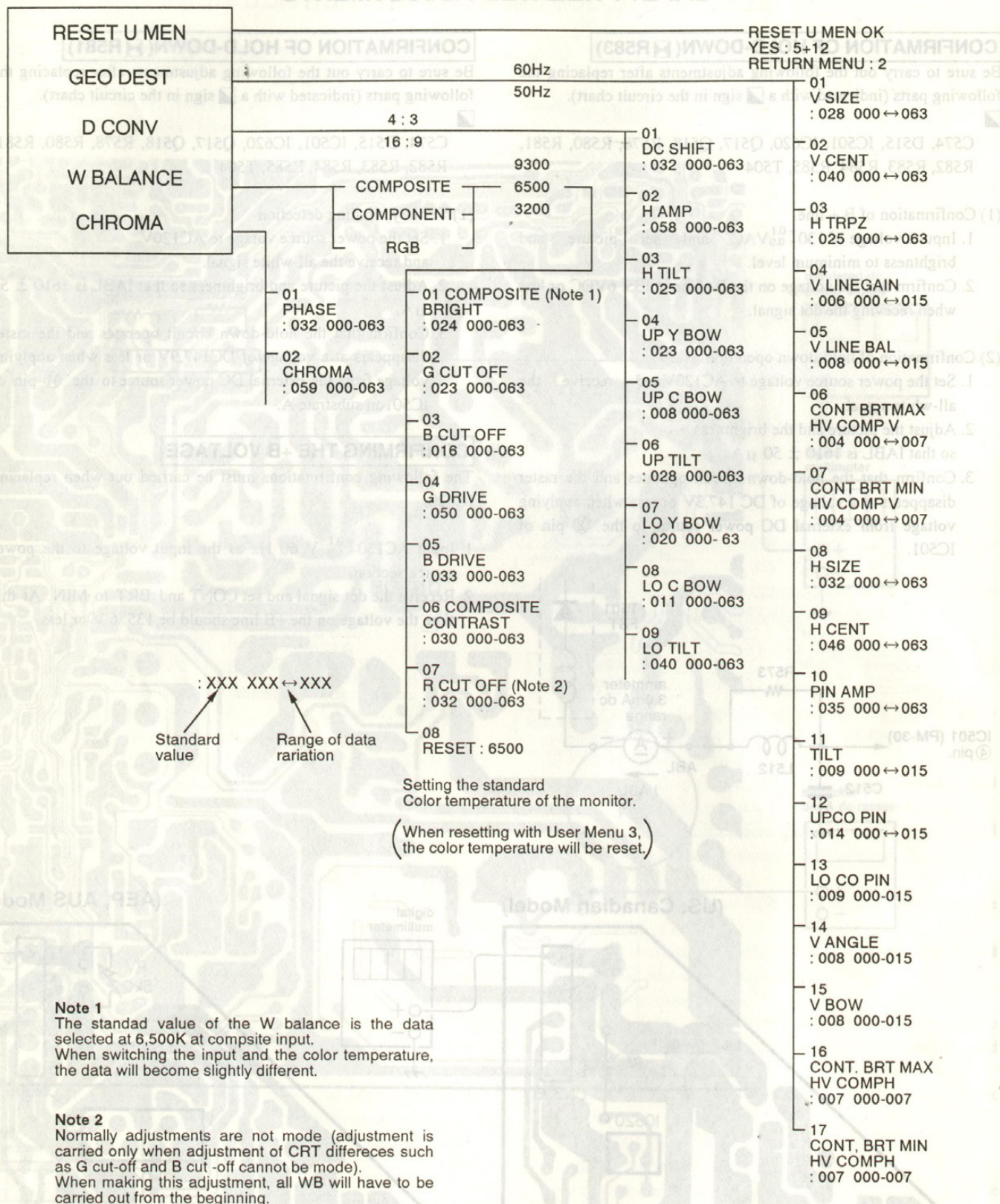


• WHEN ADJUSTMENT IS REQUIRED IN THE SERVICE MODE

When carrying out the following repairs, please be aware that adjustment in the service mode is required.



SECTION A SAFETY RELATED ADJUSTMENTS

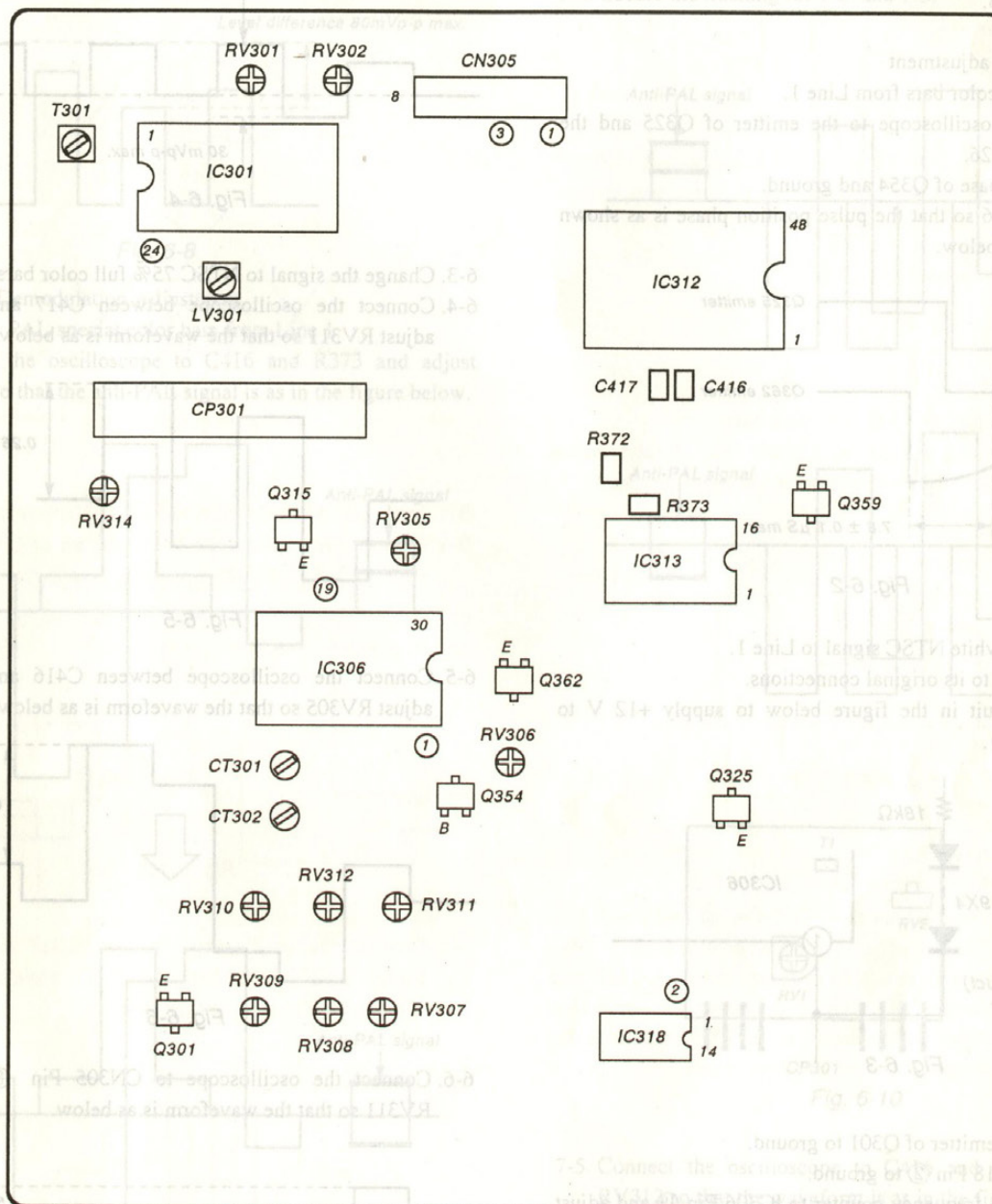


SECTION 6

CIRCUIT ADJUSTMENTS

6-1. B BOARD ADJUSTMENTS

B BOARD — CONDUCTOR SIDE —



1. Call up the set menu and reset all the user control functions.
2. Connect the oscilloscope between UT board CN205 Pin ③ and ground and adjust RV201 so that the Y output is 2.0 ± 0.1 Vp-p (100% white signal).
3. Connect the oscilloscope between UT board CN205 Pin 1 and ground and adjust RV202 so that the Burst output is 200 ± 10 mVp-p (100% white signal)
4. Primary color matrix adjustment
 - 4-1. Input a component 75% color bar R-Y and sync signal to Line 3.
 - 4-2. Set service personnel mode.

- 4-3. Connect the emitter of Q359 to +12V and the emitter of Q315 to ground.
- 4-4. Connect the oscilloscope between CN305 Pin ③ and ground and adjust with the remote controller so that B-Out is 50 mVp-p max.

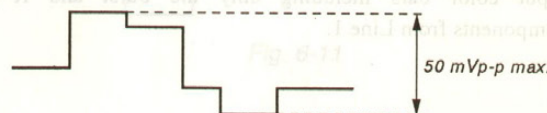


Fig. 6-1

- 4-5. Return Q359 and Q315 to their original connections.
- 4-6. Also input a B-Y/Y signal to Line 3. Adjust with the remote controller so that for the waveform at CN305 Pin ③ (B-Out), A=B.

5. Chroma decoder adjustment

- 5-1. Input NTSC color bars from Line 1.
- 5-2. Connect the oscilloscope to the emitter of Q325 and the emitter of Q326.
- 5-3. Connect the base of Q354 and ground.
- 5-4. Adjust RV306 so that the pulse position phase is as shown in the figure below.

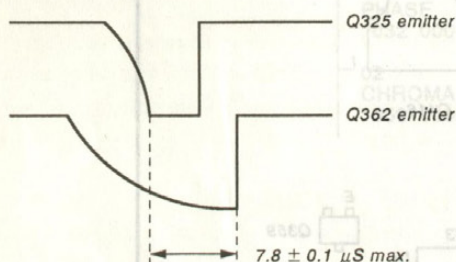


Fig. 6-2

- 5-5. Input an all-white NTSC signal to Line 1.
- 5-6. Return Q354 to its original connections.
- 5-7. Use the circuit in the figure below to supply +12 V to IC306 Pin ①.

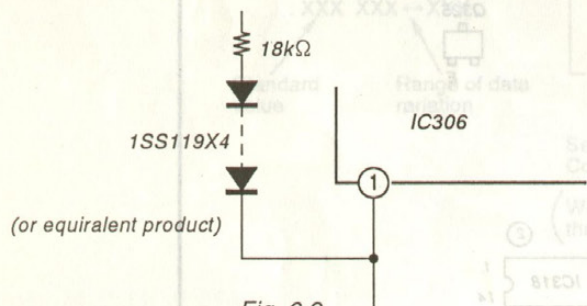


Fig. 6-3

- 5-8. Connect the emitter of Q301 to ground.
- 5-9. Connect IC318 Pin ② to ground.
- 5-10. Connect the frequency counter to IC306 Pin ⑩ and adjust CT301 so that the frequency is 3579545 ± 30 Hz.
- 5-11. Convert the signal to an all-white PAL signal.
- 5-12. Check that IC318 Pin ② is +5V.
- 5-13. Connect the frequency counter to IC306 Pin ⑨ and adjust CT302 so that the frequency is 4433619 ± 30 Hz.

6. NTSC Hue/Color Adjustment

- 6-1. Input color bars including only the burst and R-Y components from Line 1.

- 6-2. Connect the oscilloscope to the C417 ⊕ side and adjust RV308 so that the waveform is as shown in the figure below.

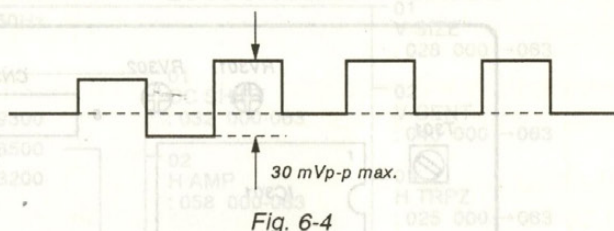


Fig. 6-4

- 6-3. Change the signal to NTSC 75% full color bars.
- 6-4. Connect the oscilloscope between C417 and R372 and adjust RV311 so that the waveform is as below.

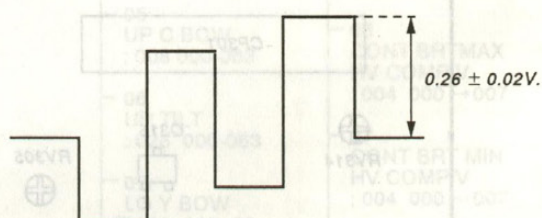


Fig. 6-5

- 6-5. Connect the oscilloscope between C416 and R373 and adjust RV305 so that the waveform is as below.

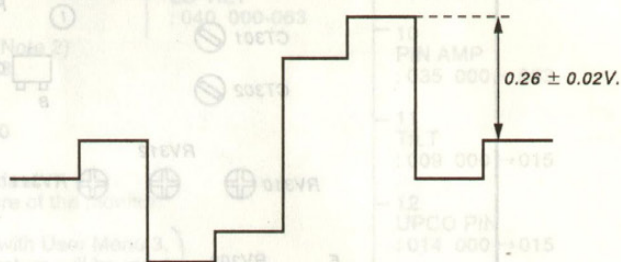
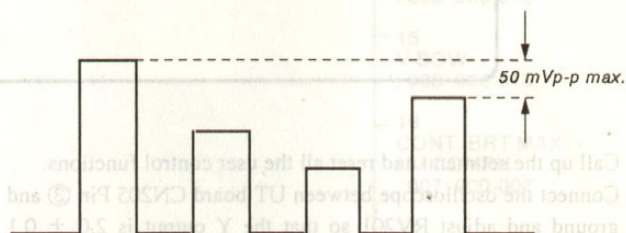


Fig. 6-6

- 6-6. Connect the oscilloscope to CN305 Pin ③ and adjust RV311 so that the waveform is as below.



Make the 1st waveform and the 4th waveform the same.

Fig. 6-7

- 6-7. Switch the signal to 4.43 NTSC 75% color bars.

- 6-8. Connect the oscilloscope to CN305 Pin ③. Secure the tracking and adjust with RV307 and RV310 so that the heads of the waveforms line up.

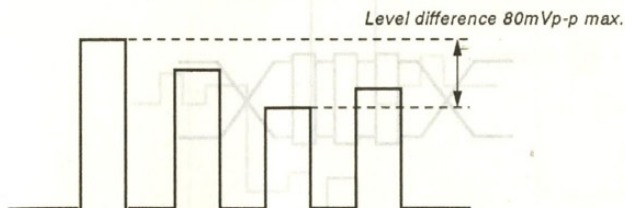


Fig. 6-8

7. PAL Color Demodulation Adjustment

- 7-1. Input the PAL special color bars from Line 1.
7-2. Connect the oscilloscope to C416 and R373 and adjust RV309 so that the anti-PAL signal is as in the figure below.

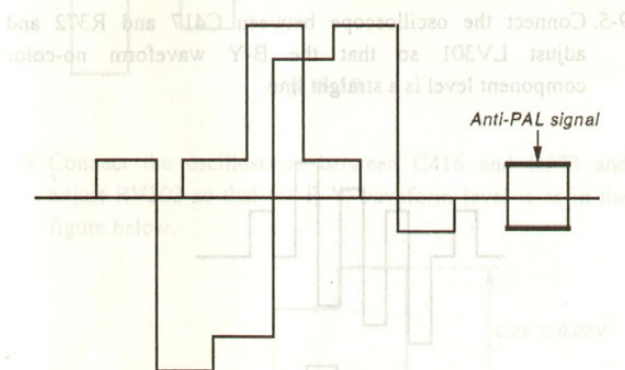
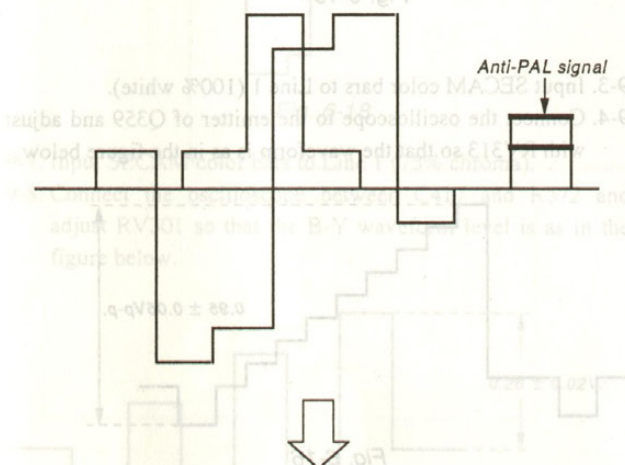


Fig. 6-9

- 7-3. Connect the oscilloscope to C417 and R372 and adjust RV2 on CP301 so that the anti-PAL signal is as in the figure below.

- 7-4. Secure the tracking for 7-2. and 7-3.

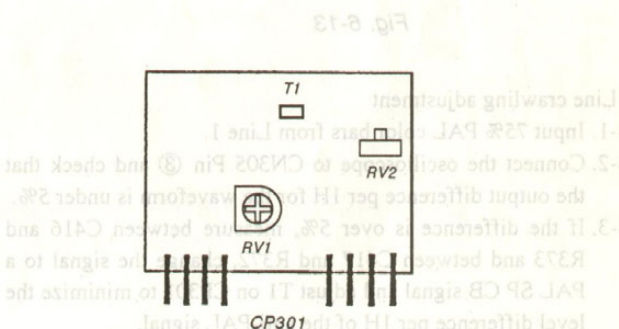
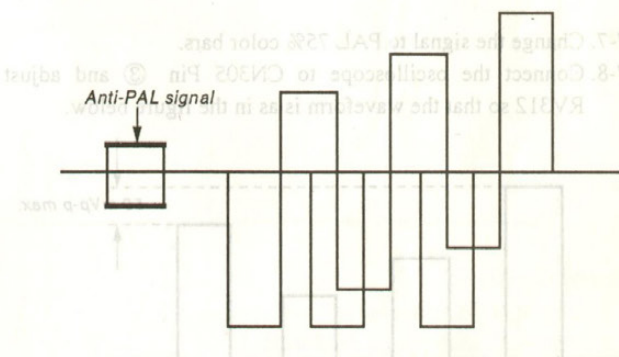
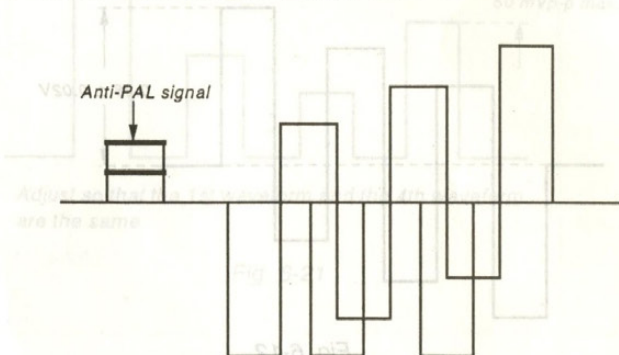


Fig. 6-10

- 7-5. Connect the oscilloscope to C416 and R373 and adjust RV312 so that the waveform is as in the figure below.

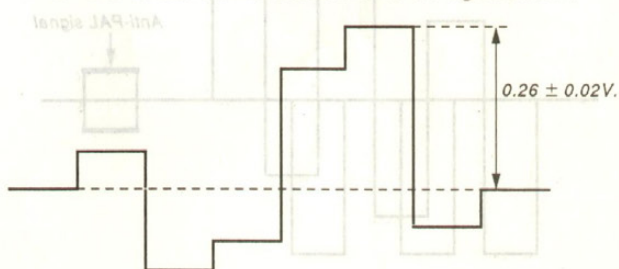


Fig. 6-11

- 7-6. Connect the oscilloscope to C417 and R372 and adjust RV314 so that the waveform is as in the figure below.

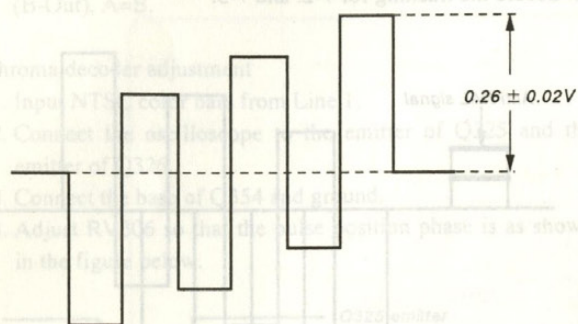


Fig. 6-12

- 7-7. Change the signal to PAL 75% color bars.
7-8. Connect the oscilloscope to CN305 Pin ③ and adjust RV312 so that the waveform is as in the figure below.

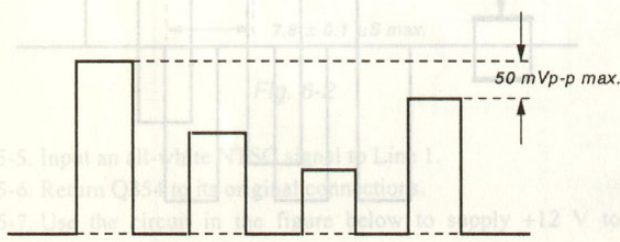


Fig. 6-13

8. Line crawling adjustment

- 8-1. Input 75% PAL color bars from Line 1.
8-2. Connect the oscilloscope to CN305 Pin ③ and check that the output difference per 1H for the waveform is under 5%.
8-3. If the difference is over 5%, measure between C416 and R373 and between C417 and R372, change the signal to a PAL SP CB signal and adjust T1 on CP301 to minimize the level difference per 1H of the anti-PAL signal.

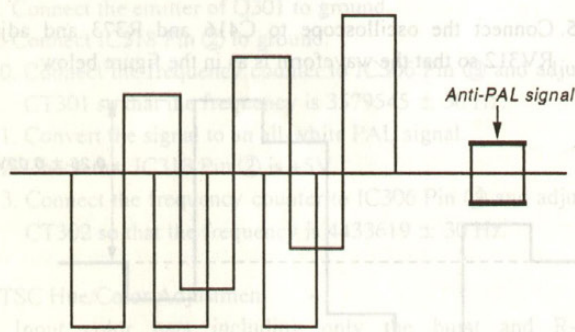


Fig. 6-14

- 8-4. Repeat the adjustment from 7-1.

9. SECAM bell filter adjustment

- 9-1. Input SECAM color bars to Line 1.
9-2. Connect the oscilloscope to IC303 Pin ② and adjust T301 so that the waveform is as in the figure below.

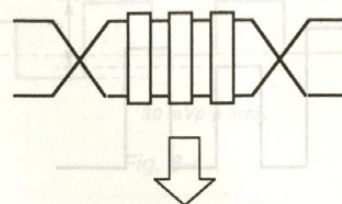


Fig. 6-15

- 9-3. Input SECAM color bars to Line 1 (100% white).
9-4. Connect the oscilloscope to the emitter of Q359 and adjust with RV313 so that the waveform is as in the figure below.

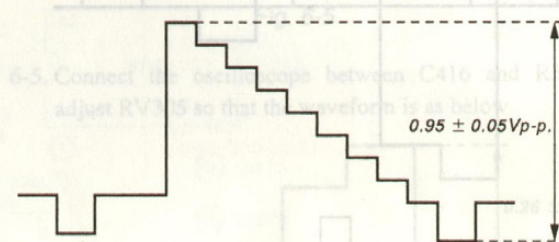


Fig. 6-16

- 9-5. Connect the oscilloscope between C417 and R372 and adjust LV301 so that the B-Y waveform no-color component level is a straight line.

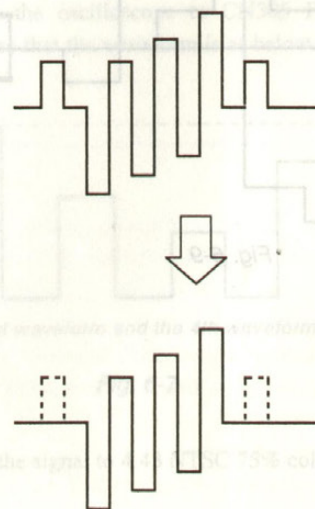


Fig. 6-17

- 9-6. Connect the oscilloscope between C416 and R373 and adjust LV301 so that the R-Y waveform no-color component level is a straight line.

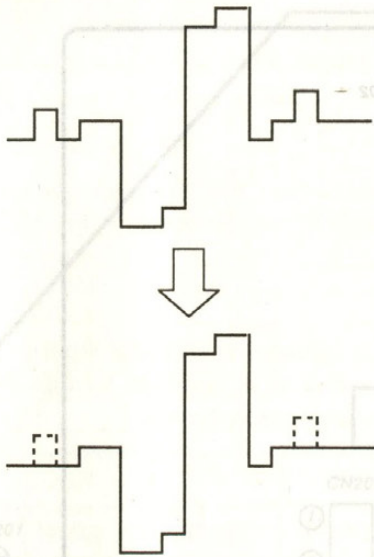


Fig. 6-18

- 9-7. Input SECAM color bars to Line 1 (75% chroma).
9-8. Connect the oscilloscope between C417 and R372 and adjust RV301 so that the B-Y waveform level is as in the figure below.

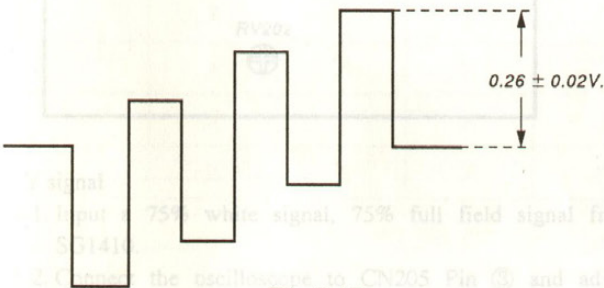


Fig. 6-19

- 9-9. Connect the oscilloscope between C416 and R373 and adjust RV302 so that the R-Y waveform level is as in the figure below.

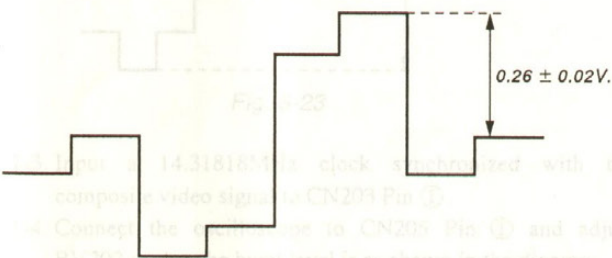


Fig. 6-20

- 9-10. Connect the oscilloscope to CN305 Pin ③ and adjust RV301 so that the heads of the B-Out waveforms line up.

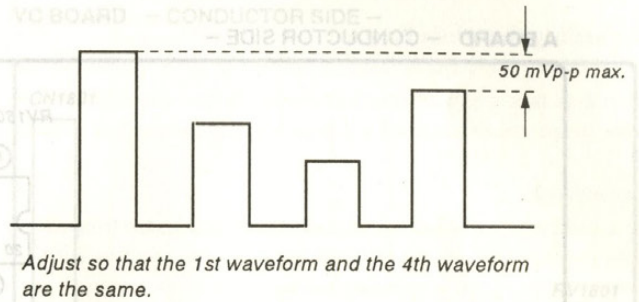


Fig. 6-21

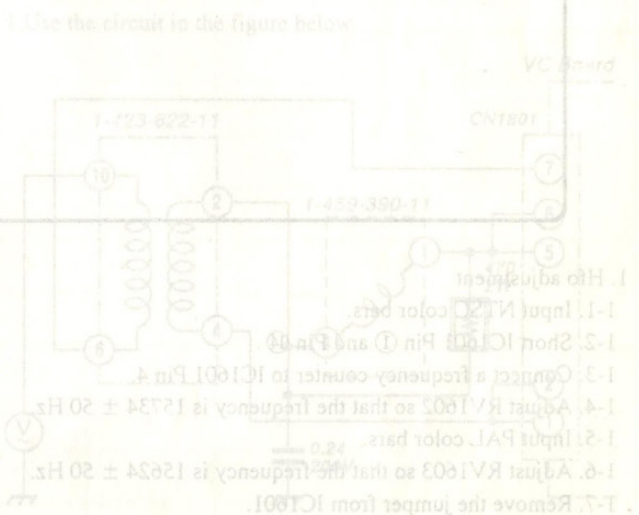


Fig. 6-22

- 1-1. Input 75% color bars.
1-2. Short IC101 Pin ① and ②.
1-3. Connect a frequency counter to IC101 Pin ④.
1-4. Adjust RV1003 so that the frequency is 15734 ± 50 Hz.
1-5. Input PAL color bars.
1-6. Adjust RV1603 so that the frequency is 15624 ± 50 Hz.
1-7. Remove the jumper from IC1001.



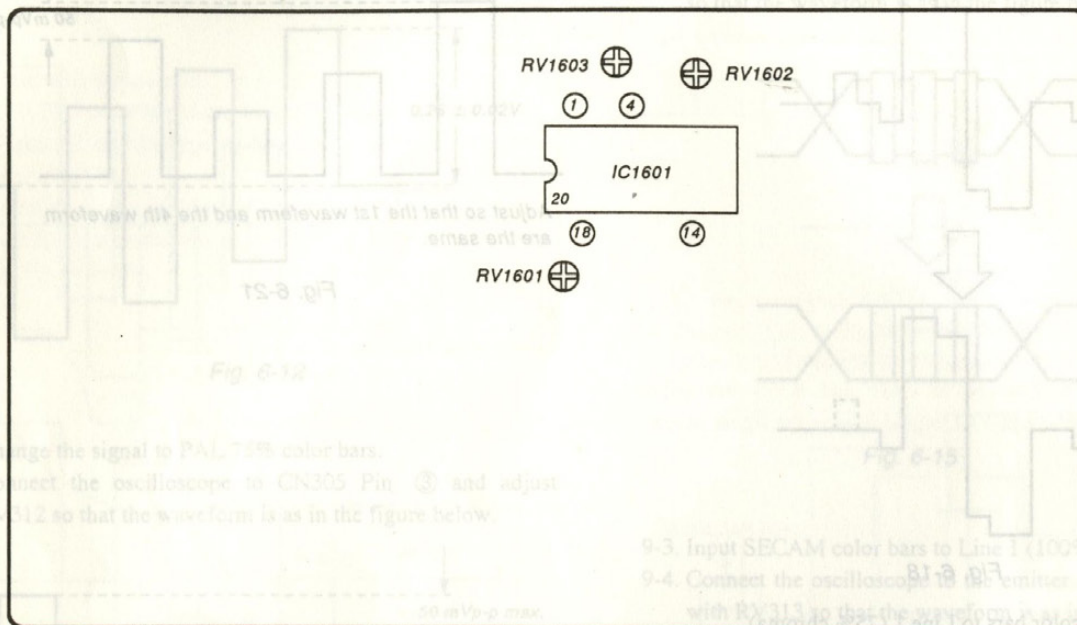
Fig. 6-23



Fig. 6-24

6-2. A BOARD ADJUSTMENT

A BOARD - CONDUCTOR SIDE -



1. Hfo adjustment

- 1-1. Input NTSC color bars.
- 1-2. Short IC1601 Pin ① and Pin ⑭.
- 1-3. Connect a frequency counter to IC1601 Pin 4.
- 1-4. Adjust RV1602 so that the frequency is 15734 ± 50 Hz.
- 1-5. Input PAL color bars.
- 1-6. Adjust RV1603 so that the frequency is 15624 ± 50 Hz.
- 1-7. Remove the jumper from IC1601.

2. V Oscillator adjustment

- 2-1. Connect the oscilloscope to IC1601 Pin ⑩ and adjust RV1601 so that the waveform is as shown in the figure below.

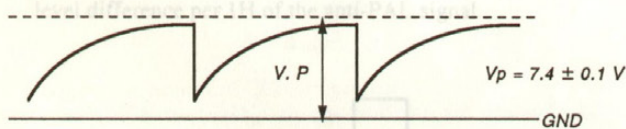
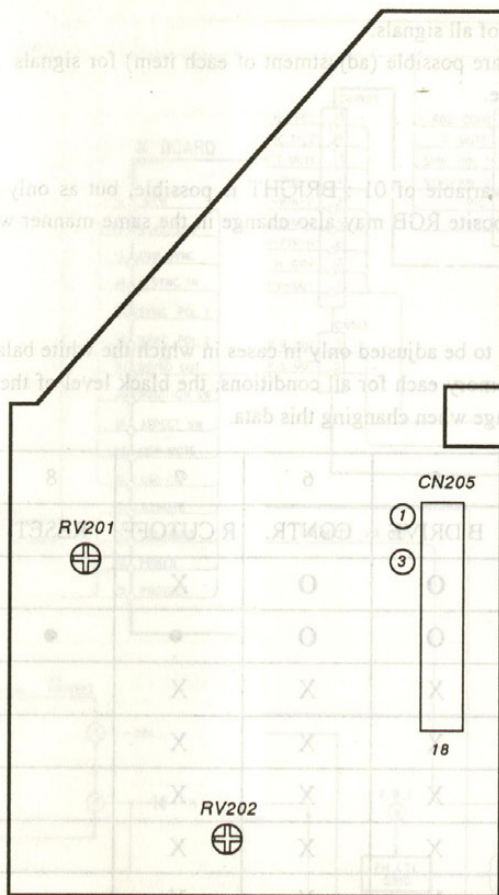


Fig. 6-22

6-3. UT BOARD ADJUSTMENT

UT BOARD — CONDUCTOR SIDE —



1. Y signal

- 1-1. Input a 75% white signal, 75% full field signal from SG1410.
- 1-2. Connect the oscilloscope to CN205 Pin ③ and adjust RV201 so that the Y level is as in the figure below.

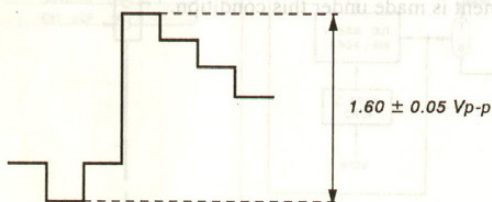


Fig. 6-23

- 1-3. Input a 14.31818MHz clock synchronized with the composite video signal to CN203 Pin ①.
- 1-4. Connect the oscilloscope to CN205 Pin ① and adjust RV202 so that the burst level is as shown in the diagram.

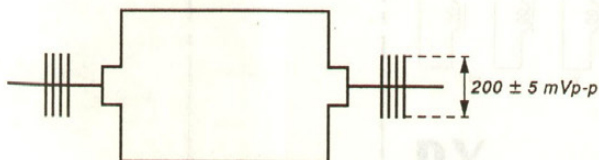
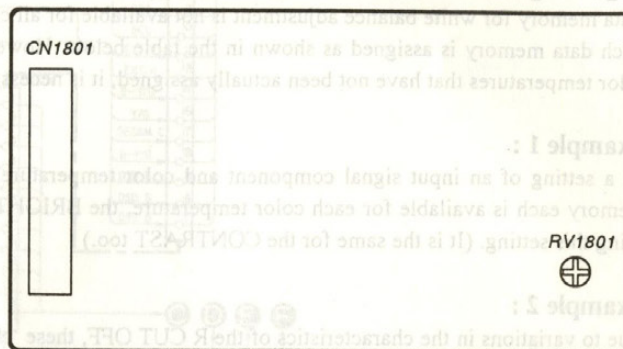


Fig. 6-24

6-4. VC BOARD ADJUSTMENT

VC BOARD — CONDUCTOR SIDE —



1. Use the circuit in the figure below

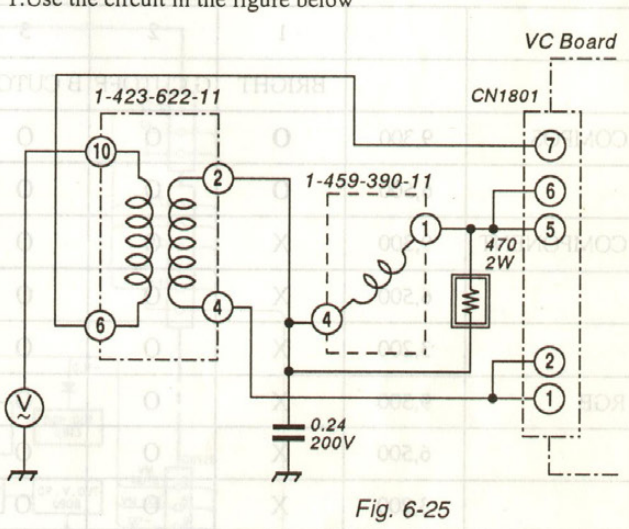


Fig. 6-25

2. Adjustment with RV1801 so that the reading of the voltmeter becomes maximum.

(Notes)

Regarding the white Balance Adjustment

Data memory for white balance adjustment is not available for all color temperatures of all signals.

Each data memory is assigned as shown in the table below. However, as variables are possible (adjustment of each item) for signals and color temperatures that have not been actually assigned, it is necessary to exercise care.

Example 1 :

At a setting of an input signal component and color temperature of 9300, a data variable of 01 : BRIGHT is possible, but as only one memory each is available for each color temperature, the BRIGHT data of the composite RGB may also change in the same manner when using this setting. (It is the same for the CONTRAST too.)

Example 2 :

Due to variations in the characteristics of the R CUT OFF, these characteristics have to be adjusted only in cases in which the white balance cannot be adjusted, but normally they are not adjusted. As there is only one data memory each for all conditions, the black level of the red color for all signals and color temperatures (the white balance of the black side) change when changing this data.

		1	2	3	4	5	6	7	8
		BRIGHT	G CUTOFF	B CUTOFF	G DRIVE	B DRIVE	CONTR.	R CUTOFF	RESET
COMPOS.	9,300	O	O	O	O	O	O	X	
	6,500	O	O	O	O	O	O	●	●
COMPONENT	9,300	X	O	O	X	X	X	X	
	6,500	X	O	O	X	X	X	X	
	3,200	X	O	O	X	X	X	X	
RGB	9,300	X	O	O	X	X	X	X	
	6,500	X	O	O	X	X	X	X	
	3,200	X	O	O	X	X	X	X	

O : Memory is available for each color temperature of the composite signals.

O : Memory is available for each color temperature for each signal.

● : Only one memory is available for all color temperatures of all signals

X : No memory is available. Data variation is possible, but basically no adjustment is made under this condition.

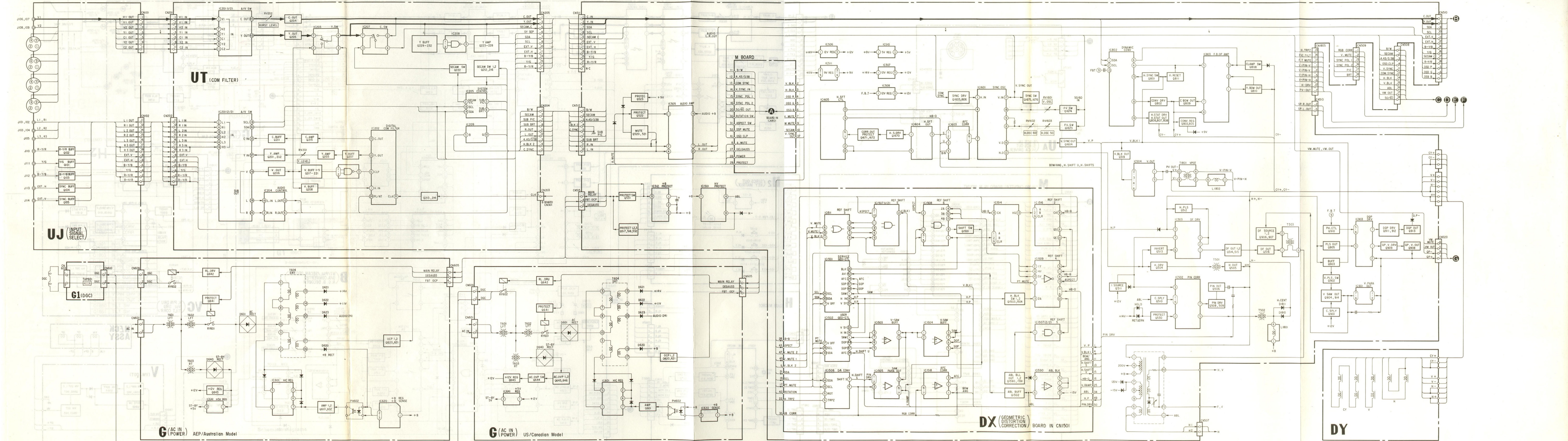
(Please refer to Example 1 and Example 2 in the preceding text.)

Fig. 6-22

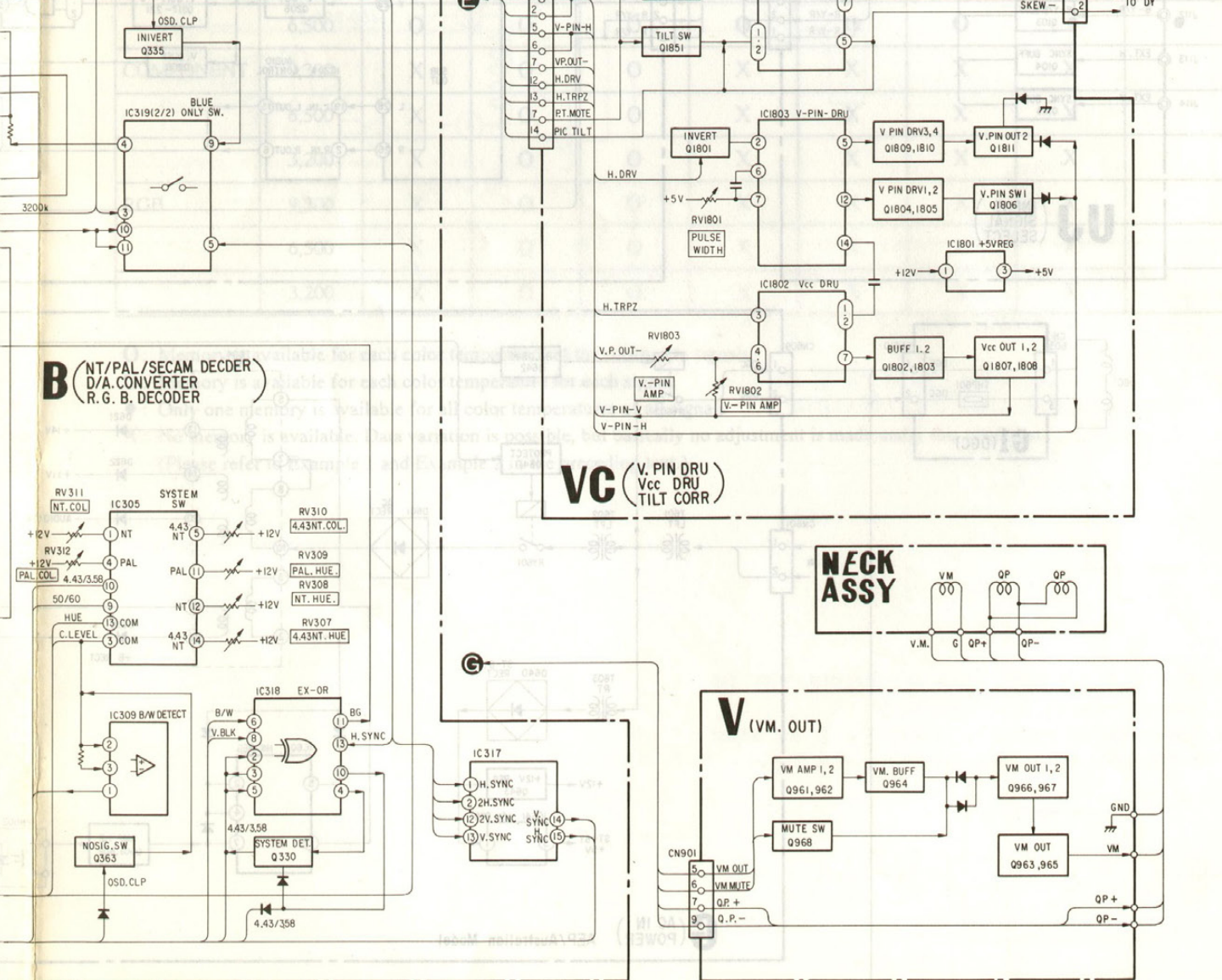
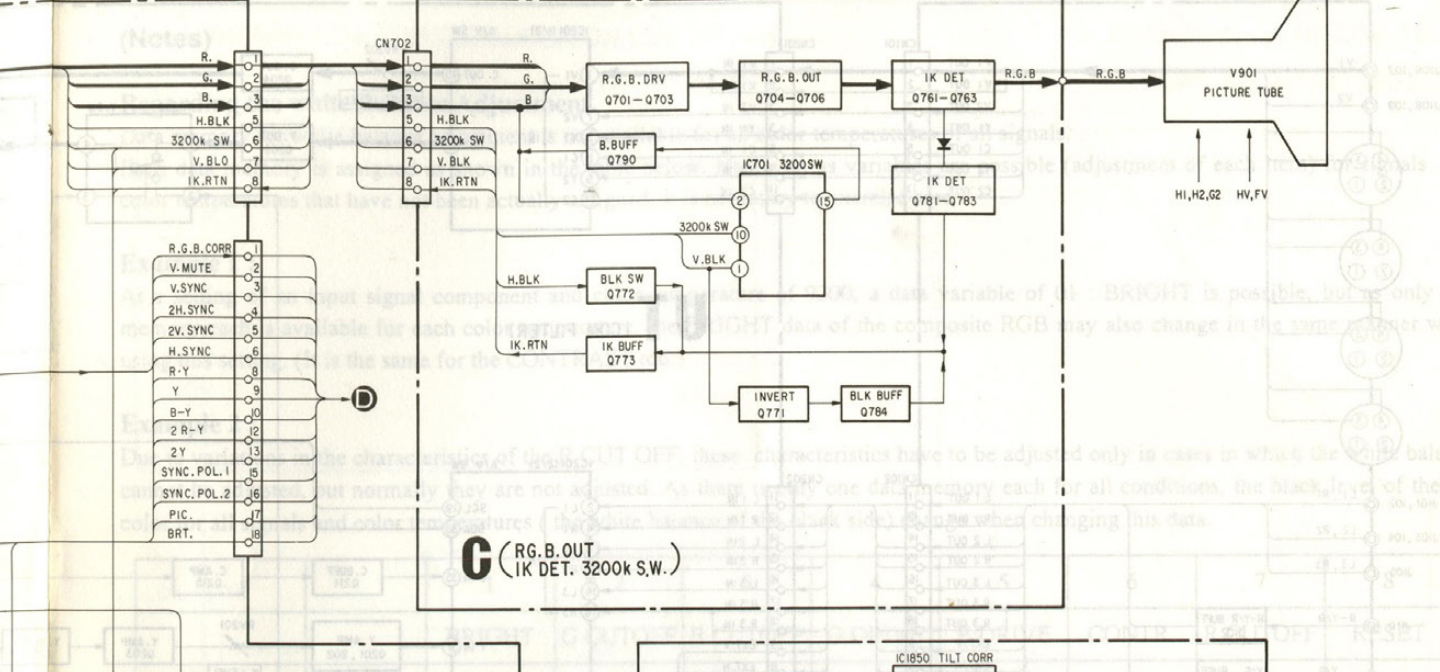
Fig. 6-23

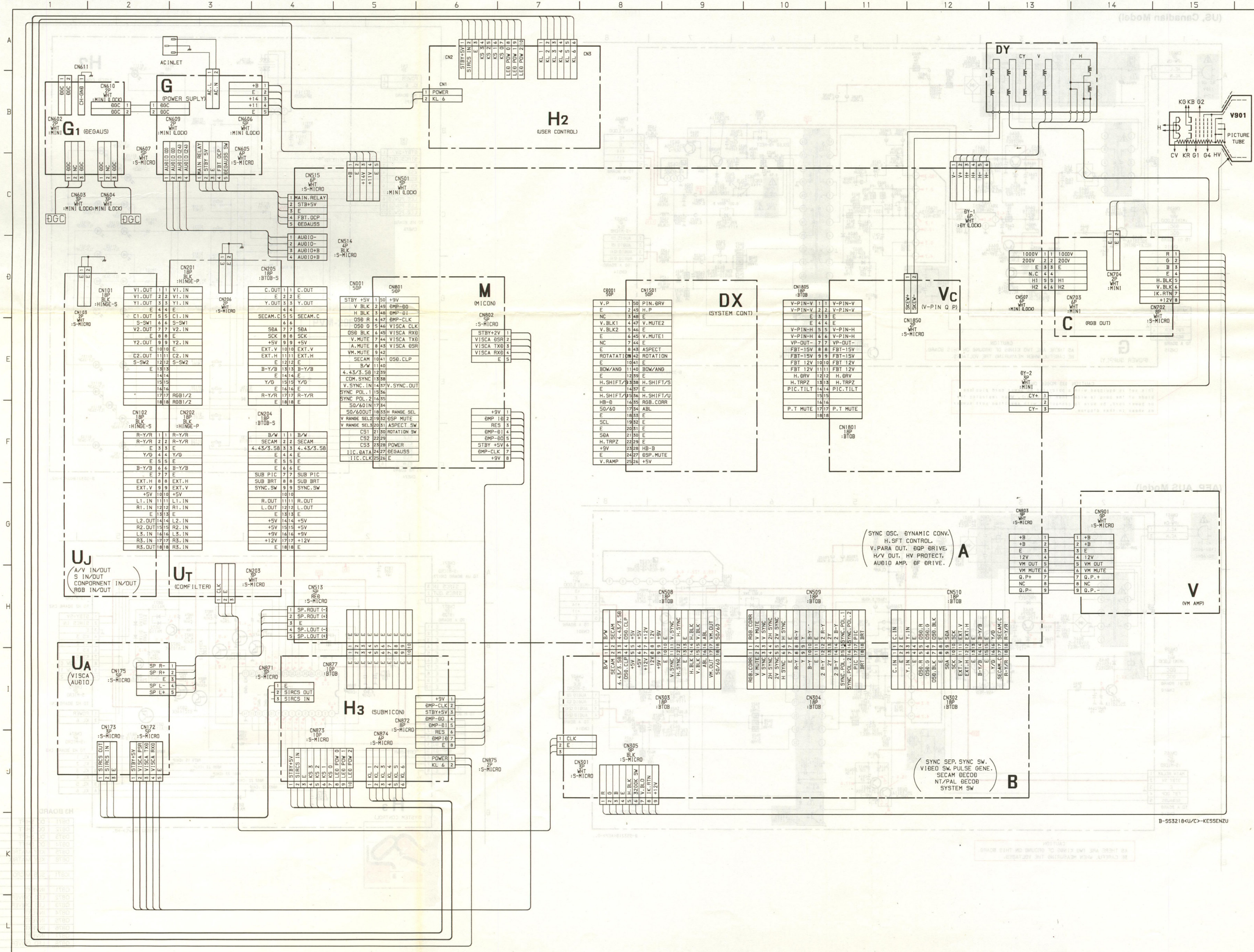
Fig. 6-24

7-1. BLOCK DIAGRAMS (1)

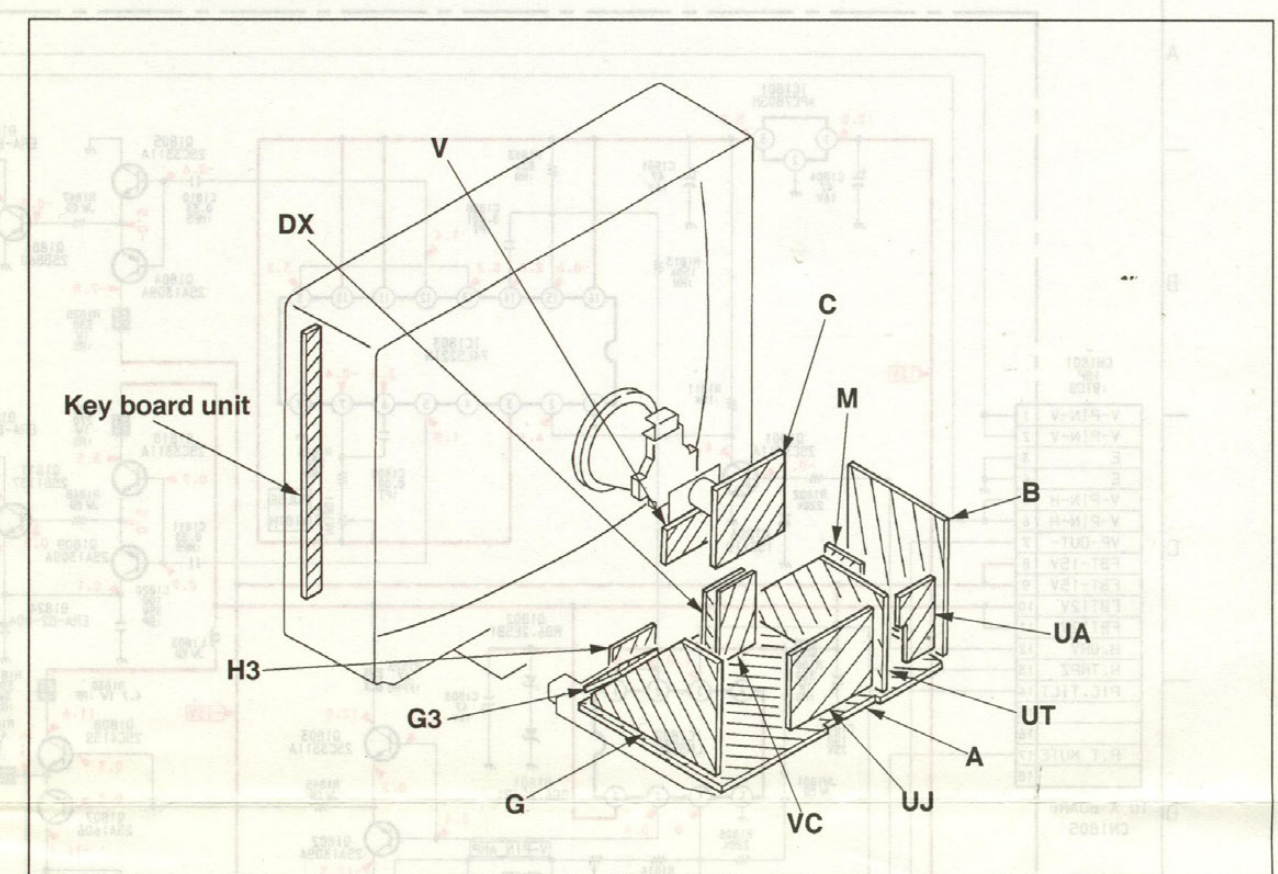


7-1. BLOCK DIAGRAMS (1)





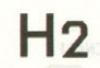
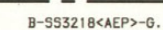
7-3. CIRCUIT BOARDS LOCATION



7-4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

- Note:**
- All capacitors are in μF unless otherwise noted.
 - μF : μF 50WV or less are not indicated except for electrolytic and tantalums.
 - All electrolytics are in 50V unless otherwise specified.
 - All resistors are in ohms.
 - $K\Omega = 1000\Omega$, $M\Omega = 1000K\Omega$.
 - Indication of resistance, which does not have one for rating electrical power, is as follows.
 - Pitch: 5 mm
 - Rating electrical power 1/4W
 - Chips resistors are 1/10W.
 - \square : nonflammable resistor.
 - \triangle : internal component.
 - \square : panel designation, and adjustment for repair.
 - All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
 - \perp : earth-ground.
 - \perp : earth-chassis.
 - \oplus : earth-chassis.
 - The components identified by \blacksquare in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
 - When replacing components identified by \blacksquare mark the necessary adjustments indicated. If results do not meet the specified value, change the component identified by \blacksquare and repeat the adjustment until the specified value is achieved.
 - (Refer to R581 and R583 on Page 28, 29 in the Service Manual.)
 - When replacing the part in below table be sure to perform the related adjustment.
- Reference information**
- | RESISTOR | RC | METAL FILM |
|-----------|----------|--------------------------|
| | RN | SOLID |
| | FPRD | NONFLAMMABLE CARBON |
| | FUSE | NONFLAMMABLE FUSIBLE |
| | RW | NONFLAMMABLE WIREWOUND |
| | RS | NONFLAMMABLE METAL OXIDE |
| | RB | NONFLAMMABLE CEMENT |
| | \times | ADJUSTMENT RESISTOR |
| COIL | LF-8L | MICRO INDUCTOR |
| CAPACITOR | TA | TANTALUM |
| | PS | STYROL |
| | PP | POLYPROPYLENE |
| | PT | MYLAR |
| | MPS | METALIZED POLYESTER |
| | MPP | METALIZED POLYPROPYLENE |
| | ALB | BIPOLAR |
| | ALT | HIGH TEMPERATURE |
| | ALR | HIGH RIPPLE |
- Note:** The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.
- Note:** Les composants identifiés par une trame et par une marque \triangle sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

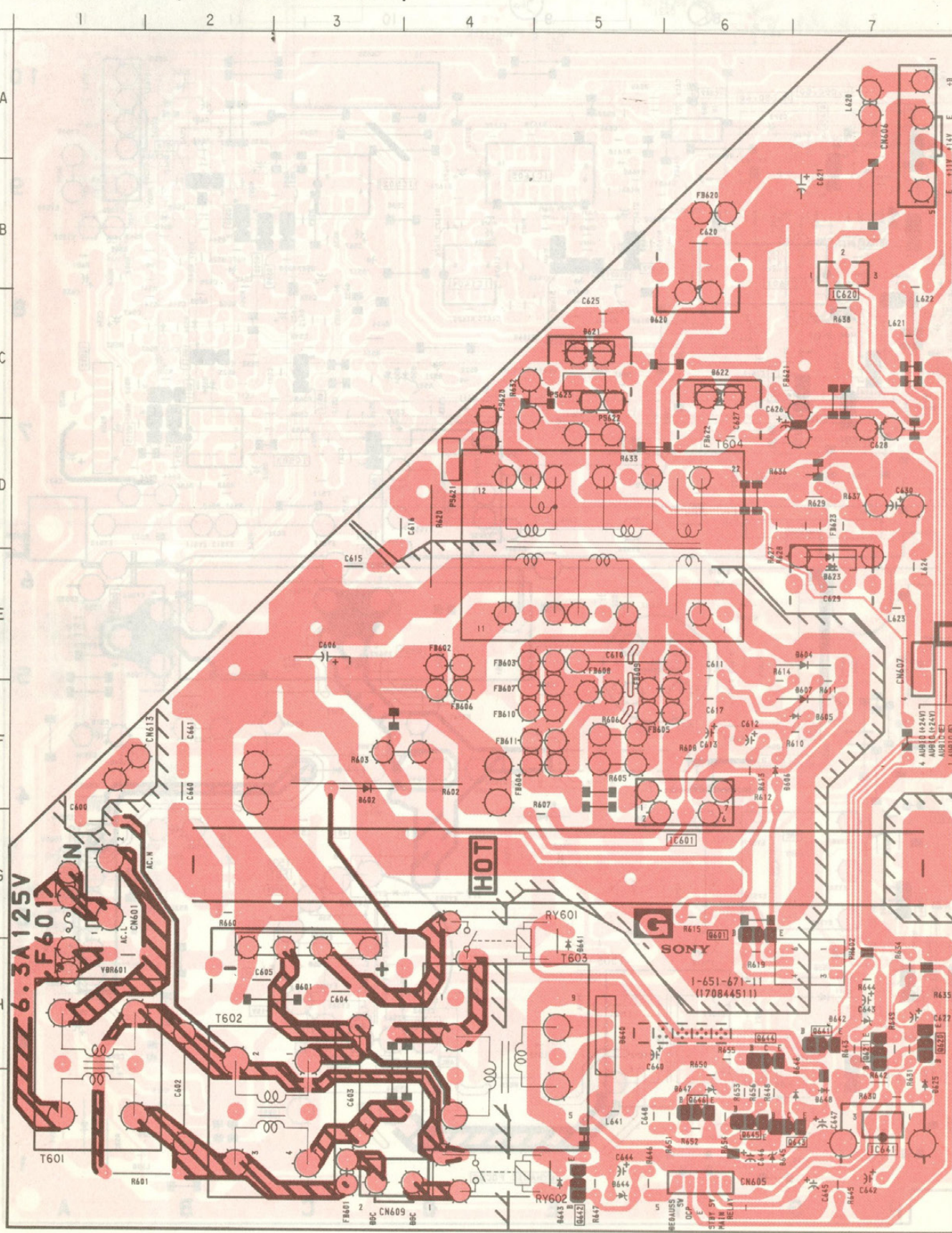
Part replaced ()	Adjustment ()
C574, D515, IC501, Q517, Q518, R578, R580, R581, R582, R583, R584, R585, T504..... A BOARD IC620 G BOARD	R581 (HOLD-DOWN)
C574, D515, IC501, Q517, Q518, R578, R580, R581, R582, R583, R584, R585, T504..... A BOARD IC620 G BOARD	R583 (HOLD-DOWN)



— 56 —

G [POWER SUPPLY] **H3** [SYSTEM CONTROL] **G1** [DGC] **H2** [USER CONTROL] **VC** [V - PIN Q P]

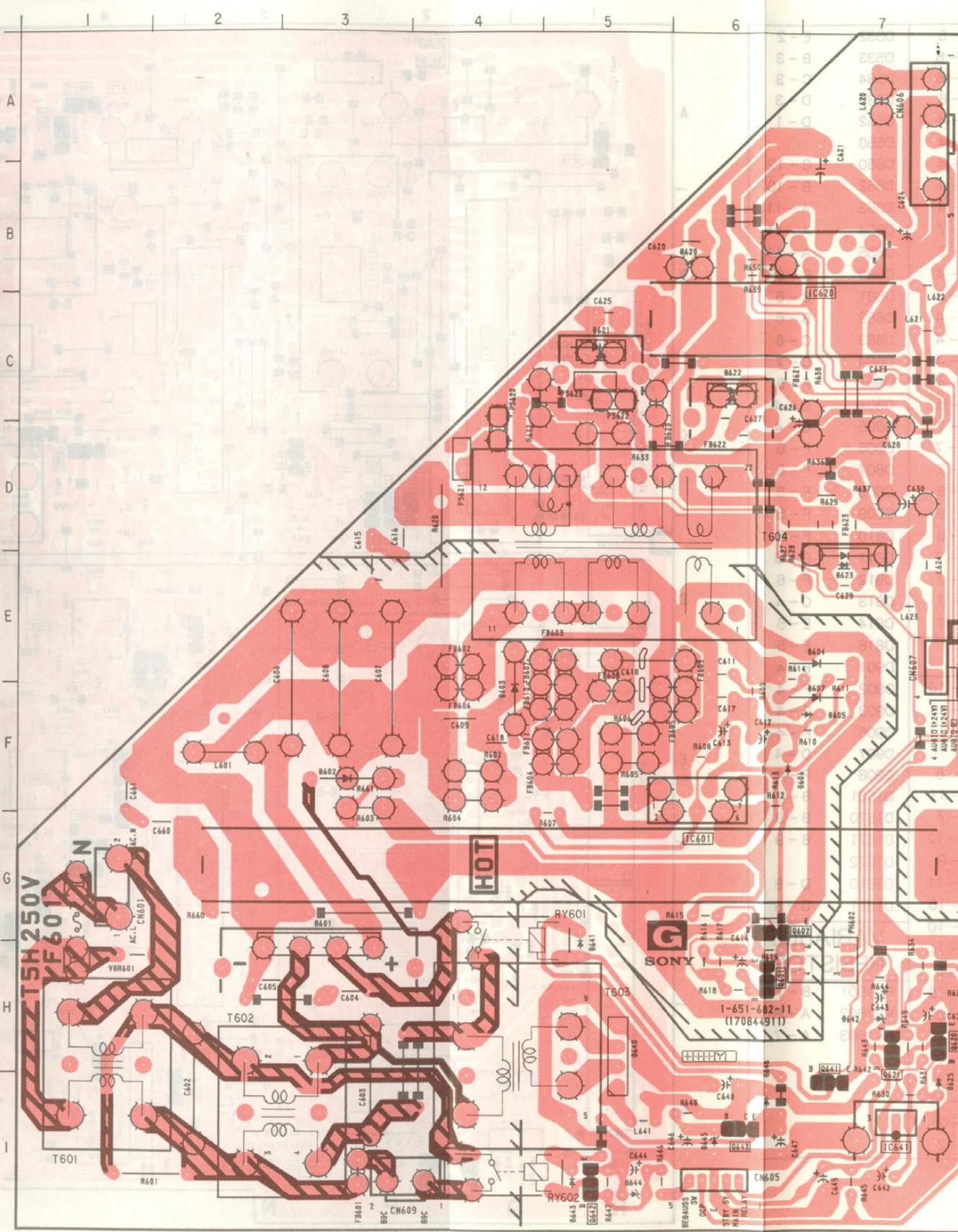
- G BOARD - (US, Canadian Model)



G BOARD

IC	
IC601	F - 6
IC620	B - 7
IC641	I - 7
TRANSISTOR	
Q601	G - 6
Q620	H - 7
Q621	H - 7
Q641	H - 7
Q642	I - 5
Q643	I - 6
Q644	H - 6
Q645	I - 6
Q646	I - 6
DIODE	
D601	H - 3
D604	E - 7
D605	F - 7
D607	F - 7
D620	B - 6
D621	C - 5
D622	C - 6
D623	E - 7
D625	I - 7
D640	H - 5
D641	G - 5
D643	I - 5
D645	I - 6
D646	I - 7
D647	I - 6
D648	I - 7

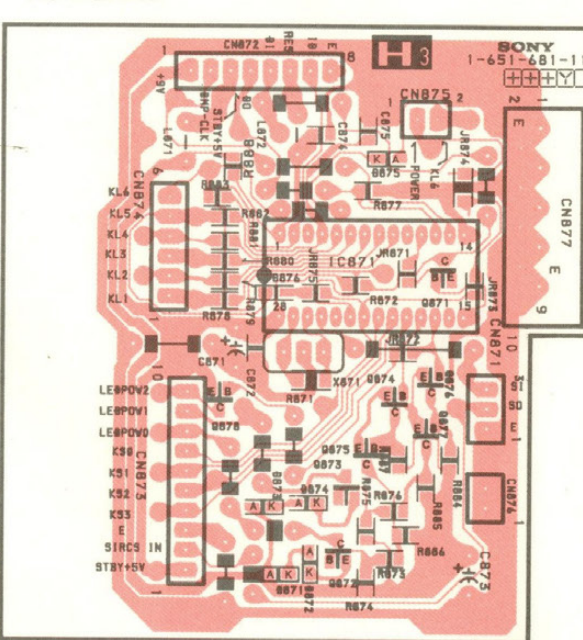
- G BOARD - (AEP, AUS Model)



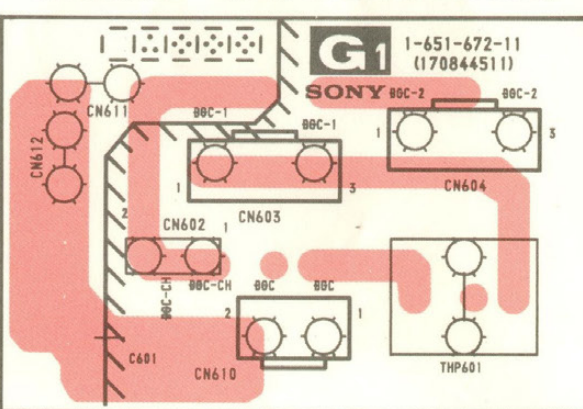
G BOARD

IC	
IC601	F - 6
IC620	B - 7
IC641	I - 7
TRANSISTOR	
Q601	H - 6
D602	G - 6
Q620	H - 7
Q621	H - 7
Q641	I - 7
Q642	I - 5
Q643	I - 6
DIODE	
D601	H - 3
D603	F - 4
D604	E - 7
D605	F - 7
D607	F - 7
D620	B - 6
D621	C - 5
D622	C - 6
D623	E - 7
D625	I - 7
D640	H - 5
D641	G - 5
D643	I - 5
D645	I - 6
D646	I - 6

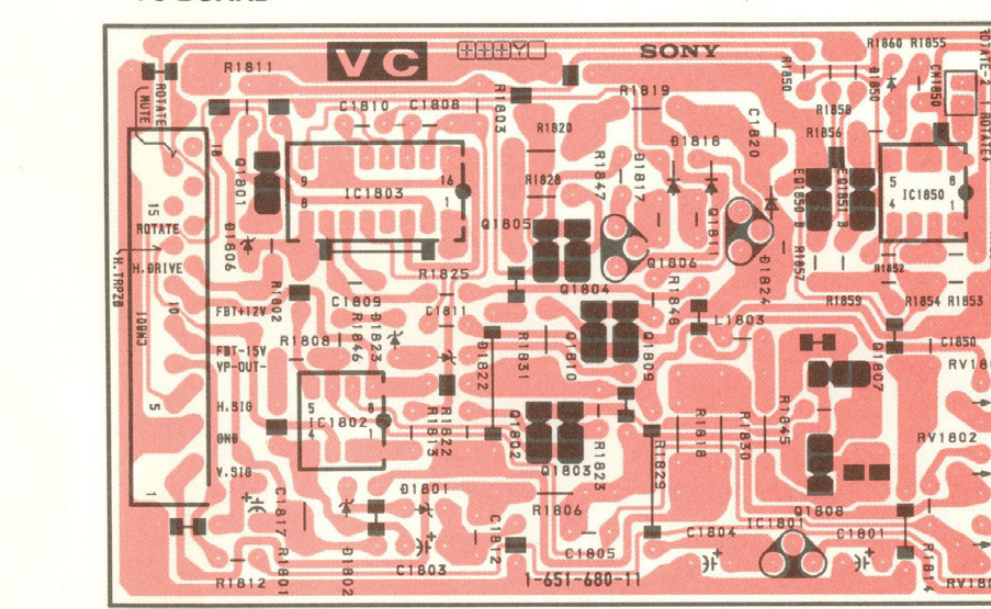
- H3 BOARD -



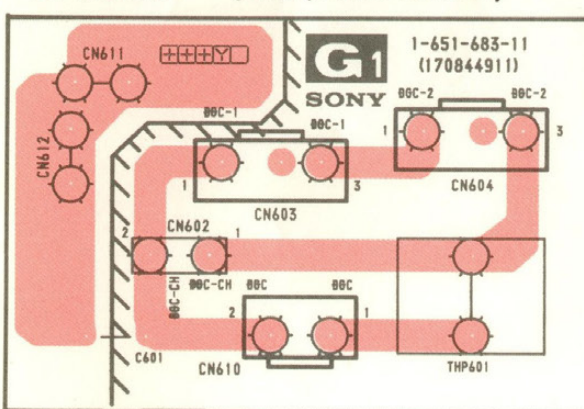
- G1 BOARD - (US, Canadian Model)



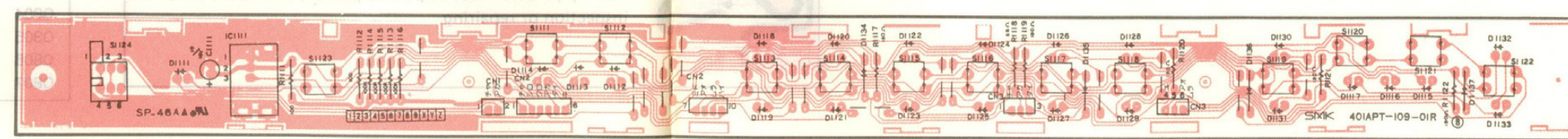
- VC BOARD -



- G1 BOARD - (AEP, AUS Model)



- H2 BOARD



A SYNC OSC, DYNAMIC CONV, H. SFT. CONTROL,
V. PARA. OUT, DQP DRIVE, H/V OUT,
HV PROTECT, AUDIO AMP, DF DRIVE

- A BOARD -

A BOARD

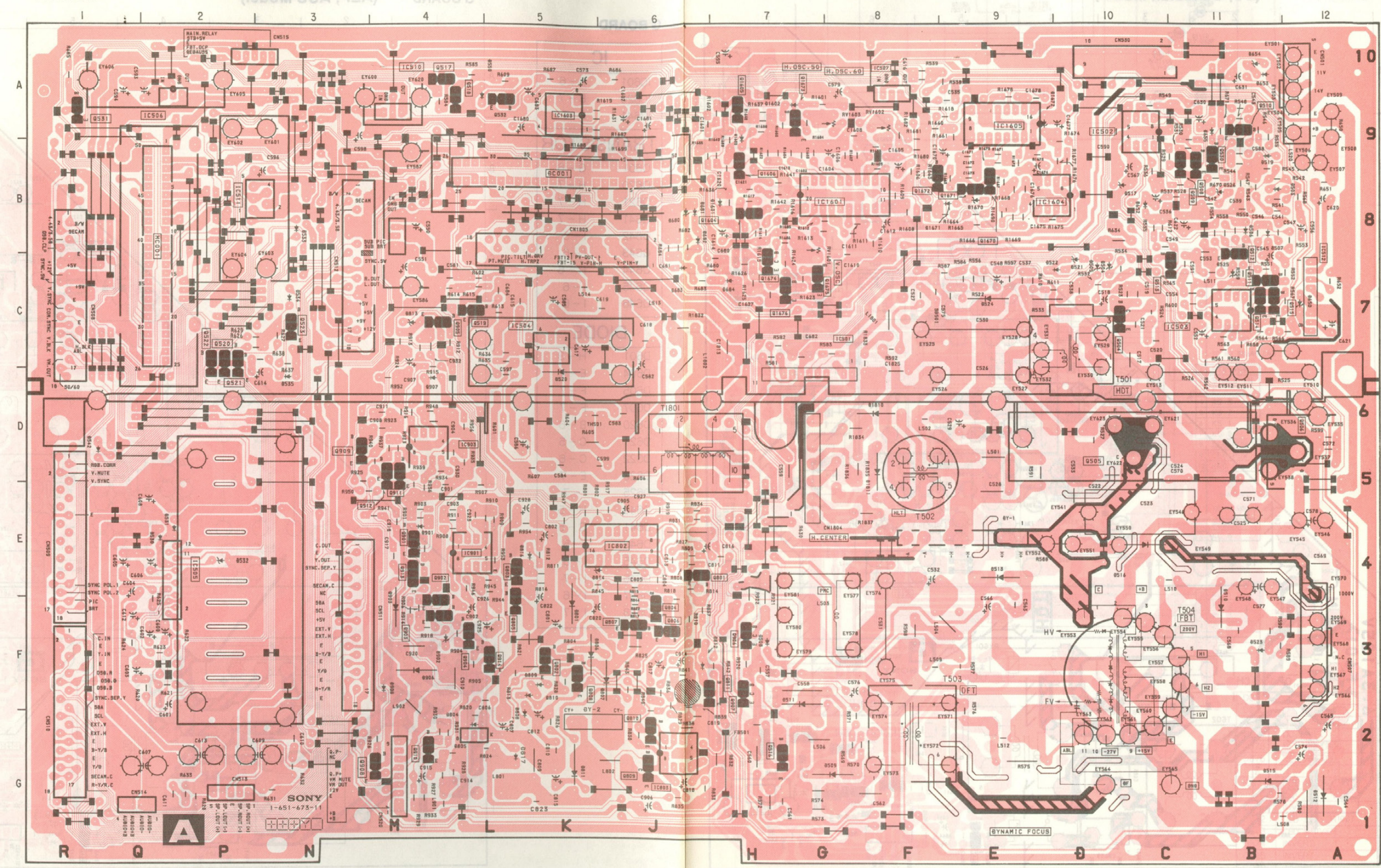
IC	Q808	F-5	D532	E-2
IC501	D-7	Q809	G-6	D533
IC502	A-10	Q810	G-6	D534
IC503	C-11	Q811	F-6	D535
IC504	C-5	Q901	E-4	D542
IC505	E-2	Q902	F-4	D550
IC506	A-2	Q903	F-4	D650
IC507	A-8	Q904	F-4	D652
IC508	B-4	Q905	C-4	D653
IC510	A-4	Q906	F-7	D654
IC511	B-2	Q907	F-7	D655
IC512	C-12	Q908	G-4	D680
IC802	E-6	Q909	D-3	D681
IC803	G-6	Q910	G-4	D682
IC901	E-4	Q911	D-4	D683
IC903	D-4	Q912	D-4	D684
IC1601	B-7	Q913	E-4	D801
IC1603	A-5	Q914	F-5	D804
IC1604	B-9	Q1604	B-7	D805
IC1605	A-9	Q1605	A-7	D806
		Q1606	B-7	D807
		Q1670	B-9	D808
		Q1671	B-9	D809
		Q1672	B-8	D810
		Q1673	A-7	D811
		Q1674	C-7	D812
		Q1675	C-7	D813
		Q1676	C-7	D814
TRANSISTOR	DIODE			
Q504	C-10	D505	C-10	D901
Q505	D-10	D506	B-11	D902
Q506	D-11	D507	B-11	D903
Q508	B-11	D508	F-7	D906
Q509	B-11	D509	G-8	D907
Q510	A-11	D510	F-11	D908
Q511	C-11	D511	F-7	D1601
Q512	B-11	D512	G-12	D1670
Q513	C-10	D513	E-9	D1671
Q514	C-11	D515	G-11	D1672
Q515	C-11	D516	E-10	D1810
Q516	G-7	D517	B-10	D1811
Q517	A-4	D519	B-11	
Q518	A-4	D520	D-5	
Q519	C-4	D521	C-10	
Q520	C-2	D522	C-9	
Q521	C-2	D523	F-11	
Q522	C-2	D524	C-9	
Q523	C-3	D525	C-11	
Q530	B-11	D526	B-11	
Q531	A-1	D530	E-2	
Q532	A-5	D531	E-2	
Q801	E-6			
Q802	F-5			
Q803	E-5			
Q804	F-6			
Q805	E-5			
Q806	F-6			
Q807	F-6			

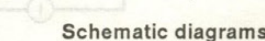
VARIABLE
RESISTOR

RV1601	B-7
RV1602	A-8
RV1603	A-7

NOTE:

The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.





B BOARD

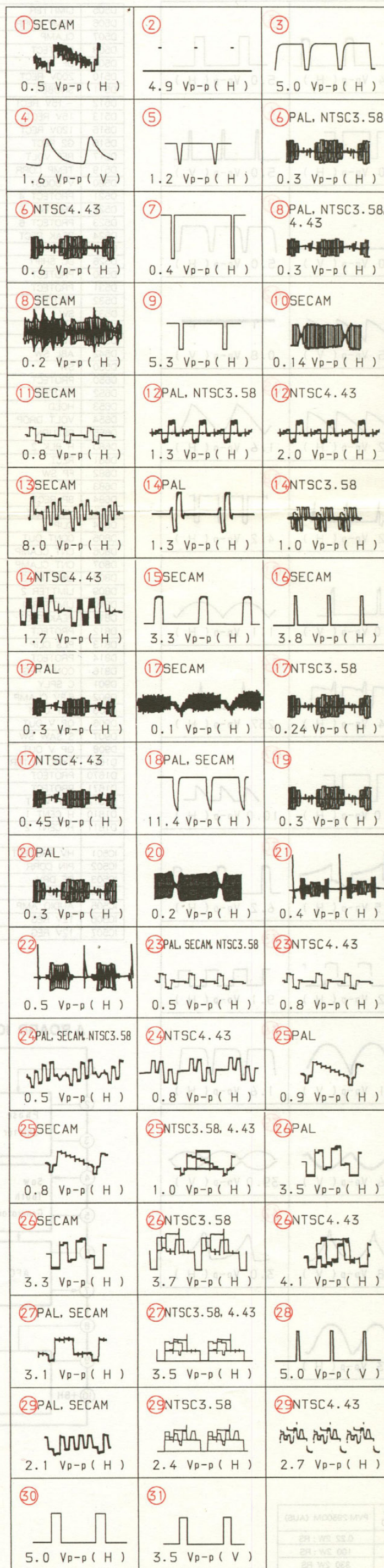
D303	PROTECT
D304	B/W SW
D305	B/W SW
D306	B/W SW
D307	B/W SW
D308	PAL SW
D309	SECAM KILLER SW
D310	PAL SW
D311	PAL SW
D312	PROTECT
D313	SYSTEM DETECT
D314	SYSTEM DETECT
D315	ABL
D316	PIC ABL
D317	PROTECT
D318	PROTECT
D319	PROTECT
D320	PROTECT
D321	PROTECT
D322	PROTECT
D323	PROTECT
D324	PROTECT
D325	PROTECT
D326	PROTECT
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D333	PROTECT
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D335	PROTECT
D336	PROTECT
D337	PROTECT
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D385	PROTECT
D386	PROTECT
D387	PROTECT
D388	PROTECT
D389	PROTECT
D390	PROTECT
D391	PROTECT
D392	PROTECT
D393	PROTECT
D394	PROTECT
D395	PROTECT
D396	PROTECT
D397	PROTECT
D398	PROTECT
D399	PROTECT
D400	PROTECT

Q305	Y AMP
Q306	Y BUFF
Q307	Y BUFF
Q308	C BUFF
Q309	C BUFF
Q310	C BUFF
Q311	B-Y BUFF
Q312	R-Y BUFF
Q313	B/W SW
Q314	R-Y BUFF
Q315	B-Y BUFF
Q316	14M SW
Q317	17M SW
Q318	VCOX BUFF
Q319	R-Y BUFF
Q320	B-Y BUFF
Q321	INVERT
Q322	INVERT
Q323	V SYNC SEP
Q324	CLAMP
Q325	CLAMP
Q326	INVERT
Q327	INVERT
Q328	INVERT
Q329	CLAMP
Q330	SYSTEM DETECT
Q331	BUFF
Q332	VM AMP
Q333	ABL BUFF
Q334	ABL AMP
Q335	ABL
Q336	PIC ABL
Q337	BRT ABL
Q338	R BUFF
Q339	R BUFF
Q340	G BUFF
Q341	G BUFF
Q342	B BUFF
Q343	B BUFF
Q344	INVERT
Q345	SECAM KILLER
Q346	RGB CORR
Q347	NT/PAL SW
Q348	INVERT
Q349	4.43/3.58 SW
Q350	VCOX BUFF
Q351	B GATE SW
Q352	INVERT
Q353	B-Y BUFF
Q354	R-Y BUFF
Q355	MATRIX SW
Q356	Y BUFF
Q357	Y BUFF
Q358	Y BUFF
Q359	Y BUFF
Q360	Y BUFF
Q361	BLK SW
Q362	B GATE SW
Q363	NO SIGNAL SW

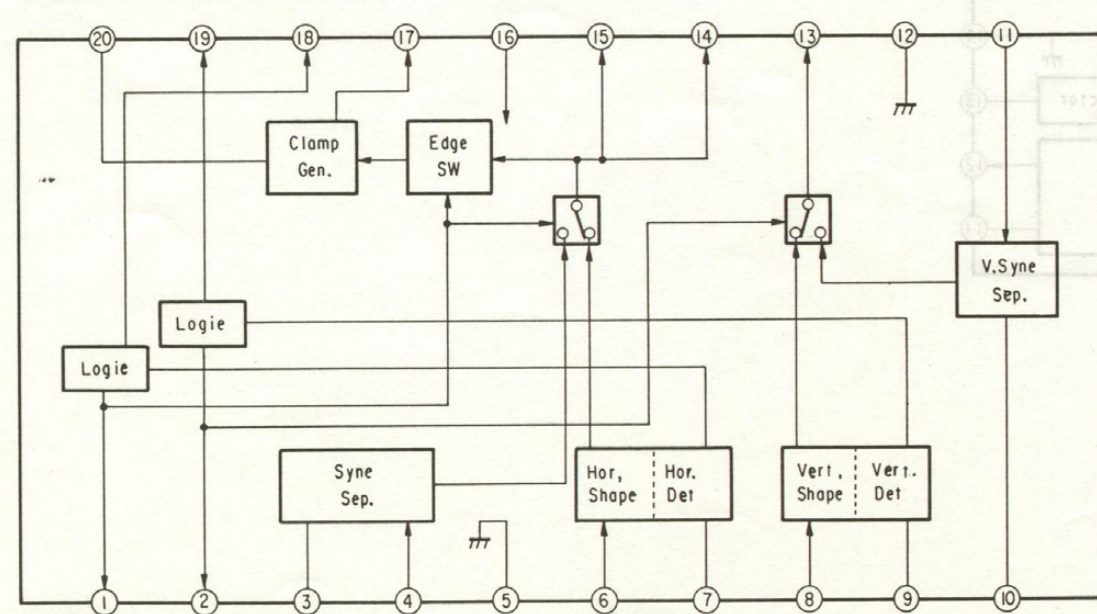
B BOARD * MARK

REF. NO	PAL	SECAM	NTSC	NTSC
IC301	11.0	0.1	11.0	11.0
IC302	0.3	0.4	0.6	0.2
IC303	0.2	0.3	0.6	0.2
IC304	0.3	0.7	0.8	0.2
IC305	0.2	0.3	0.6	0.2
IC306	0.3	0.7	0.8	0.2
IC307	0.3	0.7	0.8	0.2
IC308	0.3	0.7	0.8	0.2
IC309	0.3	0.7	0.8	0.2
IC310	0.3	0.7	0.8	0.2
IC311	0.3	0.7	0.8	0.2
IC312	0.3	0.7	0.8	0.2
IC313	0.3	0.7	0.8	0.2
IC314	0.3	0.7	0.8	0.2
IC315	0.3	0.7	0.8	0.2
IC316	0.3	0.7	0.8	0.2
IC317	0.3	0.7	0.8	0.2
IC318	0.3	0.7	0.8	0.2
IC319	0.3	0.7	0.8	0.2
IC320	0.3	0.7	0.8	0.2
IC321	0.3	0.7	0.8	0.2
IC322	0.3	0.7	0.8	0.2
IC323	0.3	0.7	0.8	0.2
IC324	0.3	0.7	0.8	0.2
IC325	0.3	0.7	0.8	0.2
IC326	0.3	0.7	0.8	0.2
IC327	0.3	0.7	0.8	0.2
IC328	0.3	0.7	0.8	0.2
IC329	0.3	0.7	0.8	0.2
IC330	0.3	0.7	0.8	0.2
IC331	0.3	0.7	0.8	0.2
IC332	0.3	0.7	0.8	0.2
IC333	0.3	0.7	0.8	0.2
IC334	0.3	0.7	0.8	0.2
IC335	0.3	0.7	0.8	0.2
IC336	0.3	0.7	0.8	0.2
IC337	0.3	0.7	0.8	0.2
IC338	0.3	0.7	0.8	0.2
IC339	0.3	0.7	0.8	0.2
IC340	0.3	0.7	0.8	0.2
IC341	0.3	0.7	0.8	0.2
IC342	0.3	0.7	0.8	0.2
IC343	0.3	0.7	0.8	0.2
IC344	0.3	0.7	0.8	0.2
IC345	0.3	0.7	0.8	0.2
IC346	0.3	0.7	0.8	0.2
IC347	0.3	0.7	0.8	0.2
IC348	0.3	0.7	0.8	0.2
IC349	0.3	0.7	0.8	0.2
IC350	0.3	0.7	0.8	0.2
IC351	0.3	0.7	0.8	0.2
IC352	0.3	0.7	0.8	0.2
IC353	0.3	0.7	0.8	0.2
IC354	0.3	0.7	0.8	0.2
IC355	0.3	0.7	0.8	0.2
IC356	0.3	0.7	0.8	0.2
IC357	0.3	0.7	0.8	0.2
IC358	0.3	0.7	0.8	0.2
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IC366	0.3	0.7	0.8	0.2
IC367	0.3	0.7	0.8	0.2
IC368	0.3	0.7	0.8	0.2
IC369	0.3	0.7	0.8	0.2
IC370	0.3	0.7	0.8	0.2
IC371	0.3	0.7	0.8	0.2
IC372	0.3	0.7	0.8	0.2
IC373	0.3	0.7	0.8	0.2
IC374	0.3	0.7	0.8	0.2
IC375	0.3	0.7	0.8	0.2
IC376	0.3	0.7	0.8	0.2
IC377	0.3	0.7	0.8	0.2
IC378	0.3	0.7	0.8	0.2
IC379	0.3	0.7	0.8	0.2
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IC381	0.3	0.7	0.8	0.2
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IC383	0.3	0.7	0.8	0.2
IC384	0.3	0.7	0.8	0.2
IC385	0.3	0.7	0.8	0.2
IC386	0.3	0.7	0.8	0.2
IC387	0.3	0.7	0.8	0.2
IC388	0.3	0.7	0.8	0.2
IC389	0.3	0.7	0.8	0.2
IC390	0.3	0.7	0.8	0.2
IC391	0.3	0.7	0.8	0.2
IC392	0.3	0.7	0.8	0.2
IC393	0.3	0.7	0.8	0.2
IC394	0.3	0.7	0.8	0.2
IC395	0.3	0.7	0.8	0.2
IC396	0.3	0.7	0.8	0.2
IC397	0.3	0.7	0.8	0.2
IC398	0.3	0.7	0.8	0.2
IC399	0.3	0.7	0.8	0.2
IC400	0.3	0.7	0.8	0.2

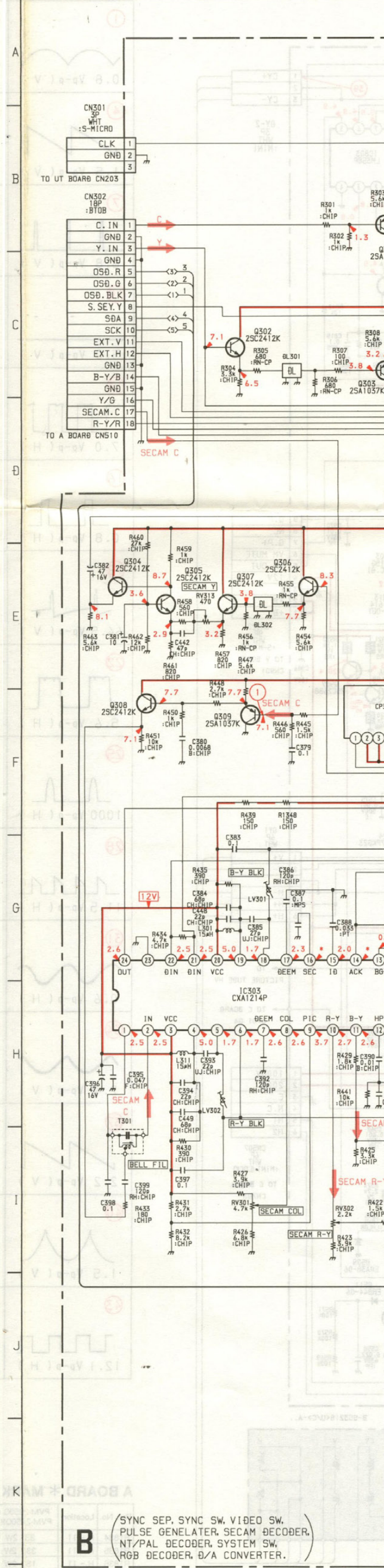
B BOARD WAVEFORMS



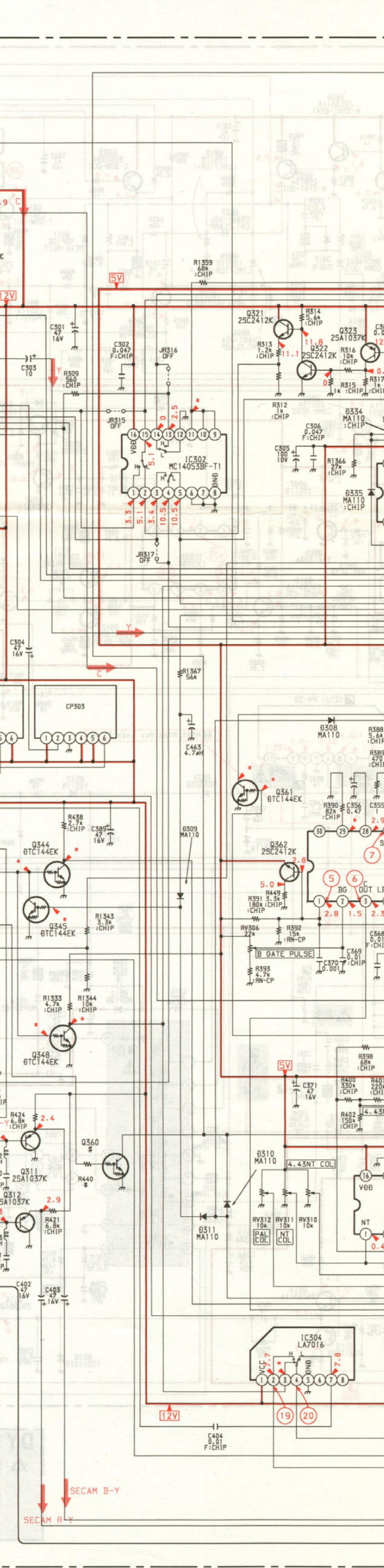
B BOARD IC308 M520365SP



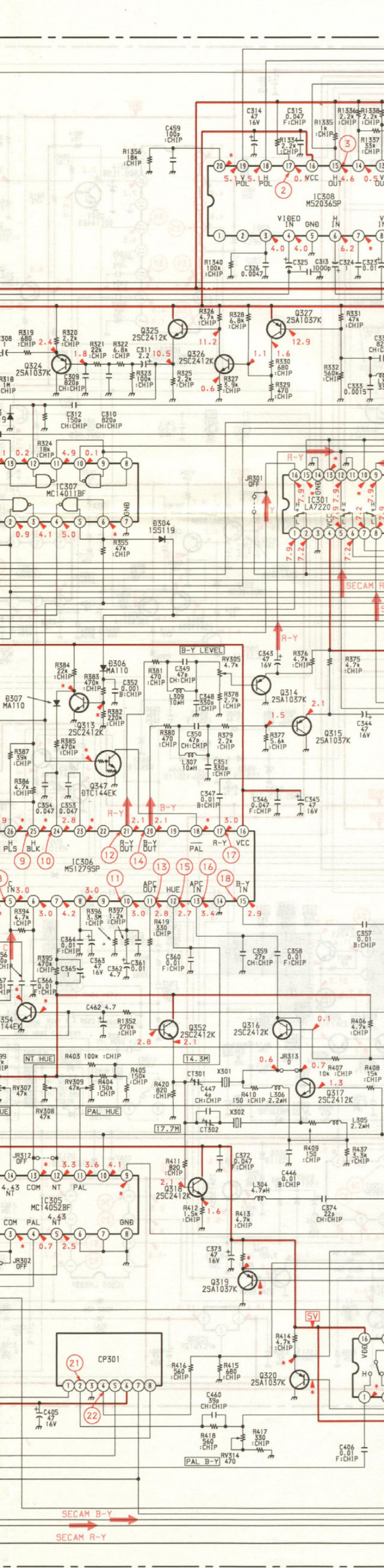
B BOARD WAVEFORMS



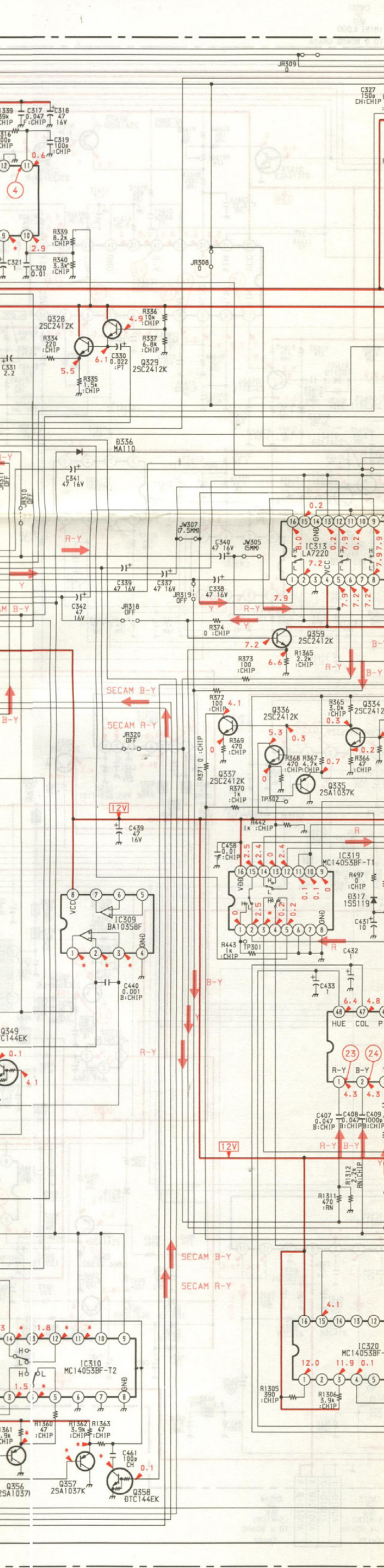
B BOARD WAVEFORMS



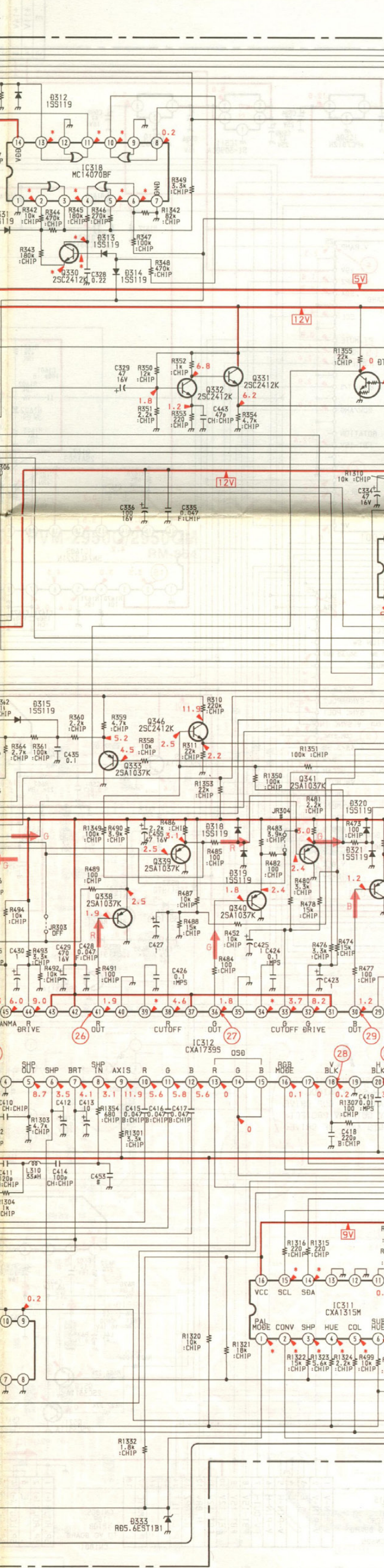
B BOARD WAVEFORMS



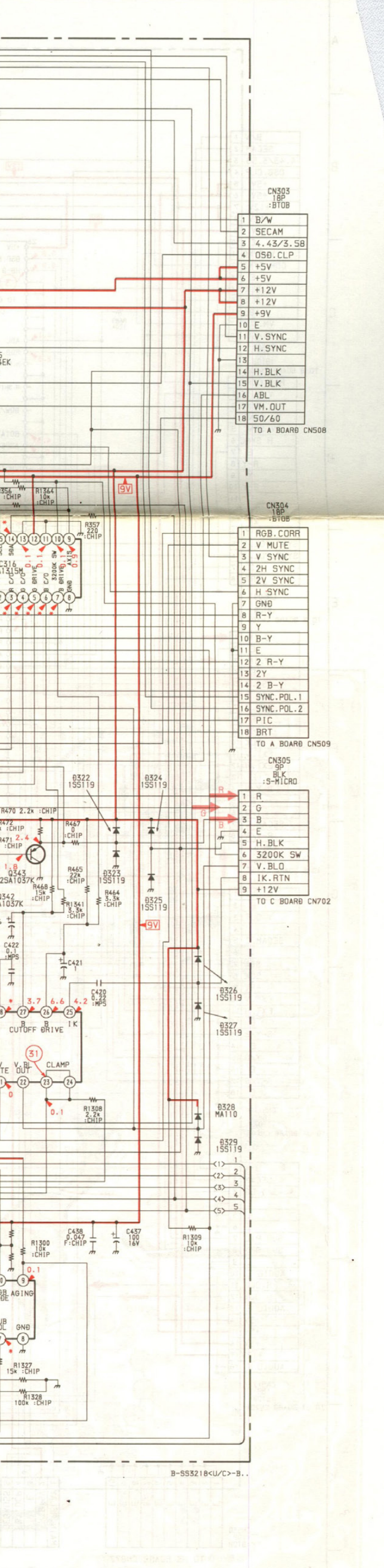
B BOARD WAVEFORMS



B BOARD WAVEFORMS



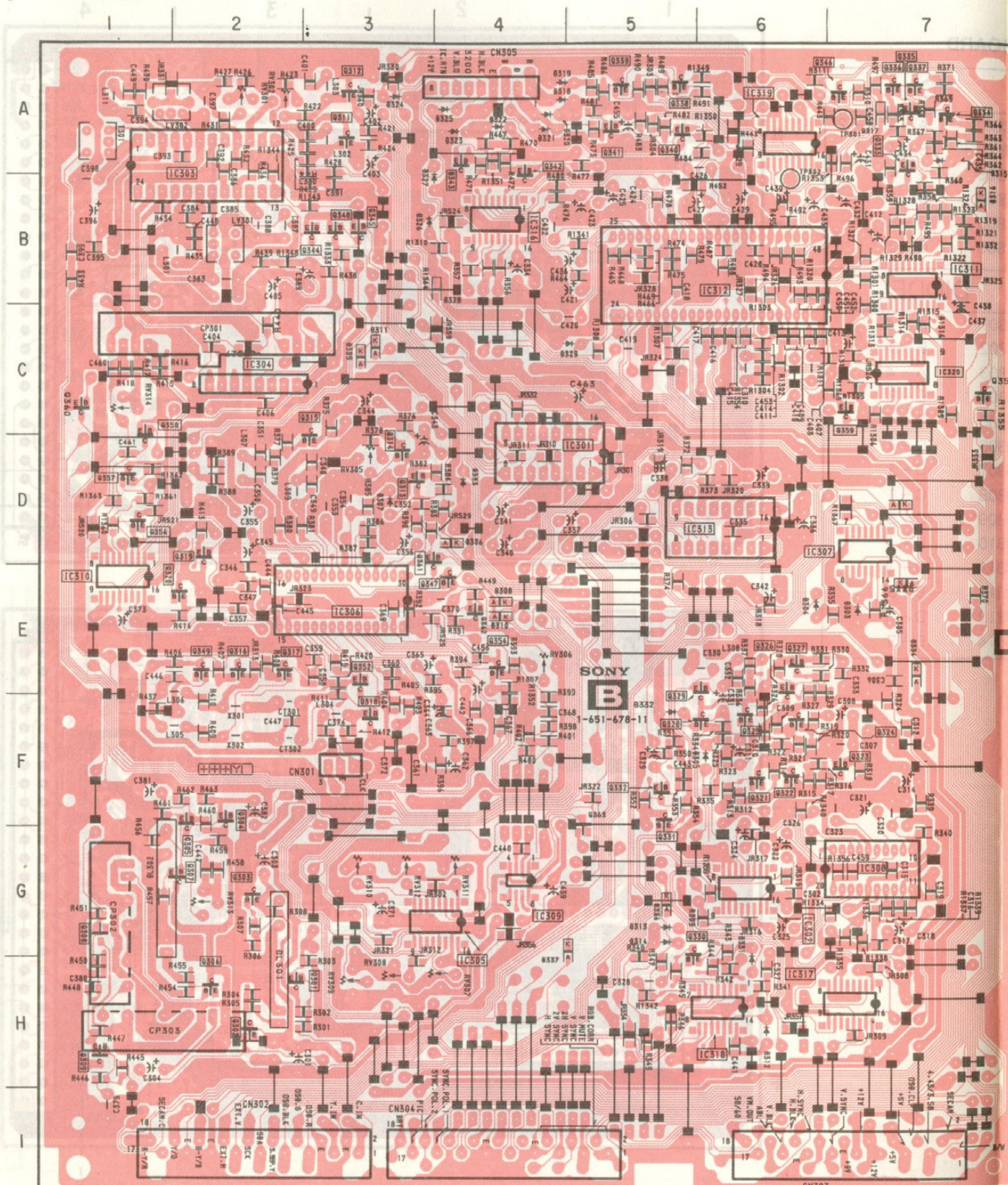
B BOARD WAVEFORMS



B

SYNC SEP, SYNC SW, VIDEO SW, PULSE GENERATOR,
SECAM DECODER, NT/PAL DECODER, SYSTEM SW,
RGB DECODER, D/A CONVERTER,

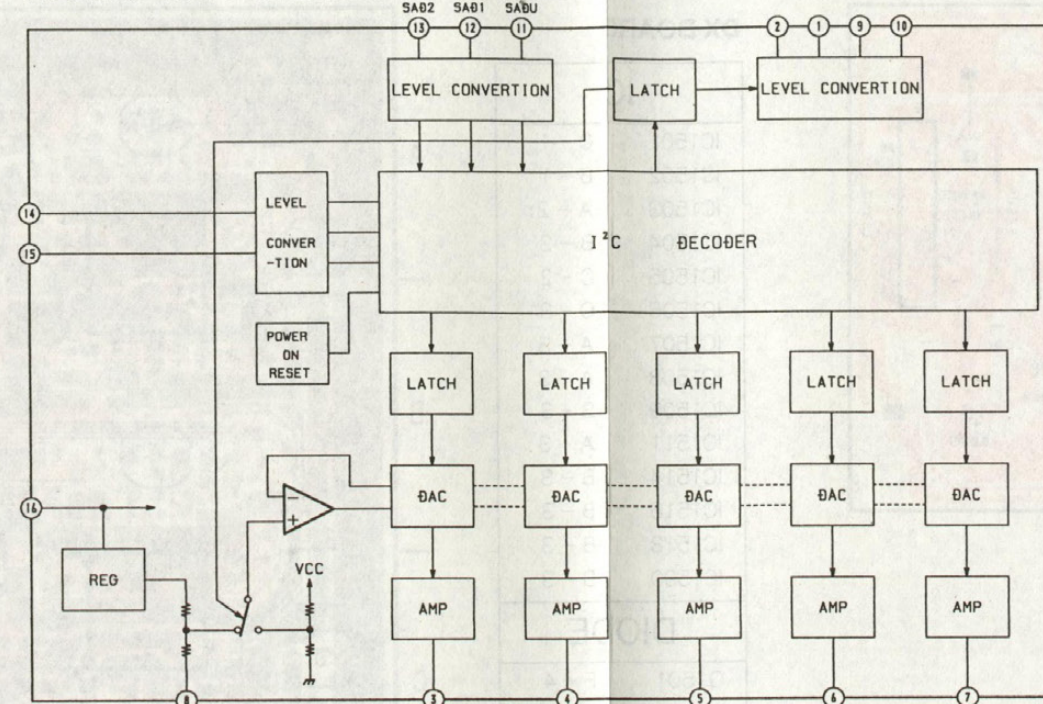
- B BOARD -



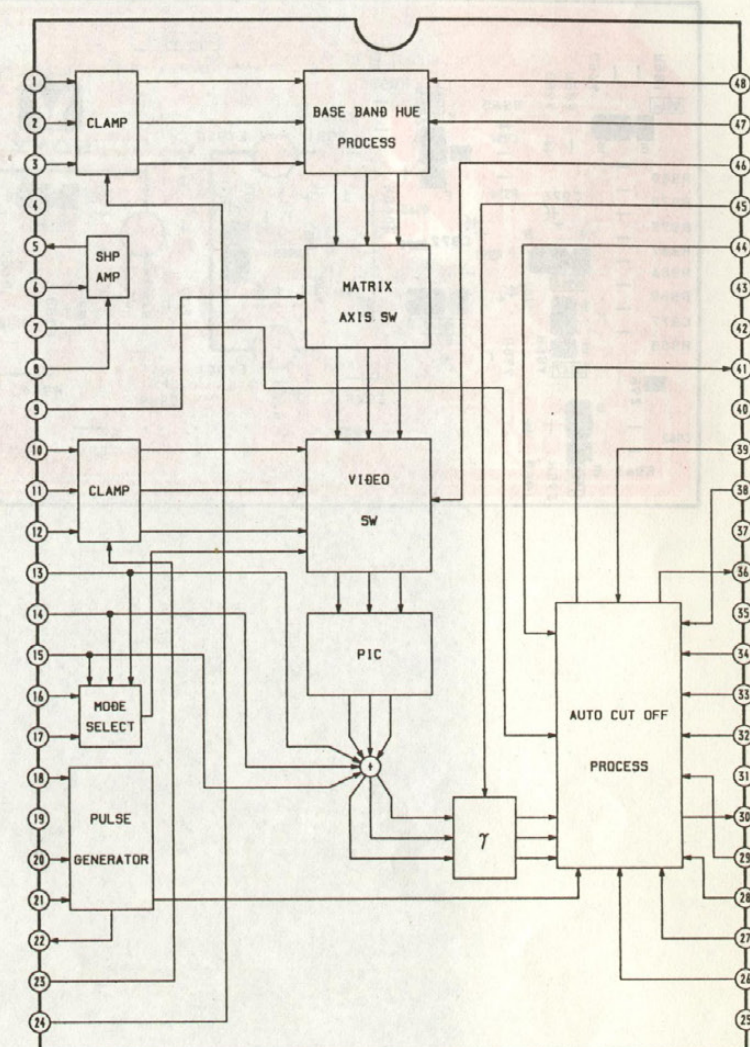
B BOARD

IC	Q332 F-5		D325 A-3	
	Q333 A-7		D326 B-3	
IC301	D-4		D327 A-3	
IC302	G-6		D328 B-3	
IC303	A-1		D329 C-4	
IC304	C-2		D331 G-6	
IC305	G-3		D333 D-4	
IC306	E-3		D334 E-7	
IC307	D-7		D335 E-7	
IC308	G-7		D336 G-5	
IC309	G-4			
IC310	E-1			
IC311	B-7			
IC312	B-5			
IC313	D-5			
IC316	B-4			
IC318	H-6			
IC319	A-6			
IC320	C-7			
TRANSISTOR	Q342 A-4		RV301 A-2	
	Q343 A-4		RV302 A-2	
Q301	H-2		RV303 D-3	
Q302	H-2		RV306 E-4	
Q303	G-2		RV307 H-3	
Q304	F-2		RV308 H-3	
Q305	F-1		RV309 H-3	
Q306	H-2		RV310 G-3	
Q307	G-1		RV311 G-4	
Q308	G-1		RV312 G-3	
Q309	H-1		RV313 G-2	
Q311	A-3		RV314 C-1	
Q312	A-3			
Q313	D-3			
Q314	D-3			
Q315	D-2			
Q316	E-2			
Q317	E-2			
Q318	F-3			
Q319	D-2			
Q320	E-1			
Q321	F-6			
Q322	F-6			
Q323	F-7			
Q324	F-6			
Q325	F-6			
Q326	E-6			
Q327	E-6			
Q328	F-5			
Q329	E-5			
Q330	G-5			
Q331	F-5			
DIODE	D303 E-7		D304 E-6	
	D306 D-3		D307 D-3	
D303	E-7		D308 E-4	
D304	E-6		D309 C-3	
D306	D-3		D310 E-4	
D307	D-3		D311 C-3	
D308	E-4		D312 H-6	
D309	C-3		D313 G-5	
D310	E-4		D315 A-7	
D311	C-3		D316 B-7	
D312	H-6		D317 A-7	
D313	G-5		D318 A-4	
D314	G-5		D319 A-4	
D315	A-7		D320 A-4	
D316	B-7		D321 A-4	
D317	A-7		D322 A-4	
D318	A-4		D323 A-3	
D319	A-4		D324 A-3	
D320	A-4			
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D322	A-4			
D323	A-3			
D324	A-3			

B BOARD IC311 CXA1315M

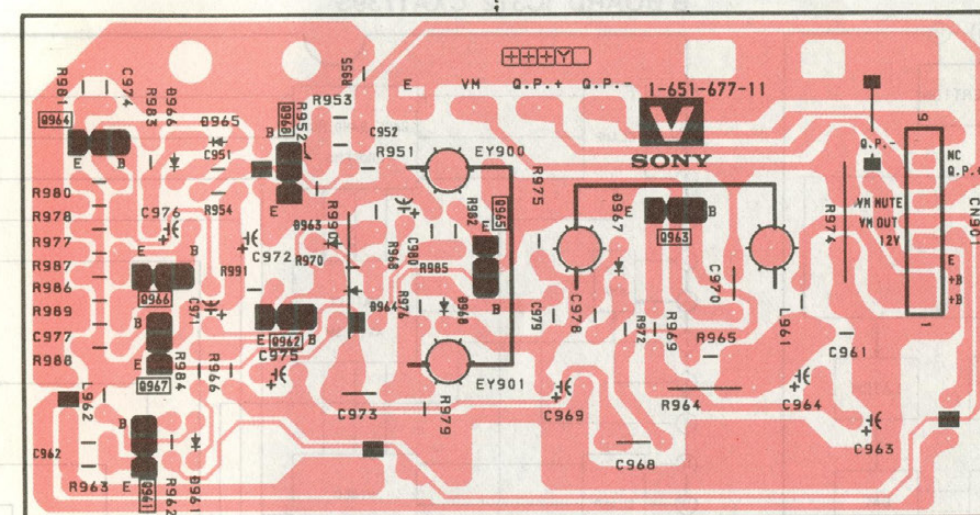


B BOARD IC312 CXA1739S



V [VM AMP] **DX** [SYSTEM CONT] **M** [CPU, MEM]

- V BOARD -



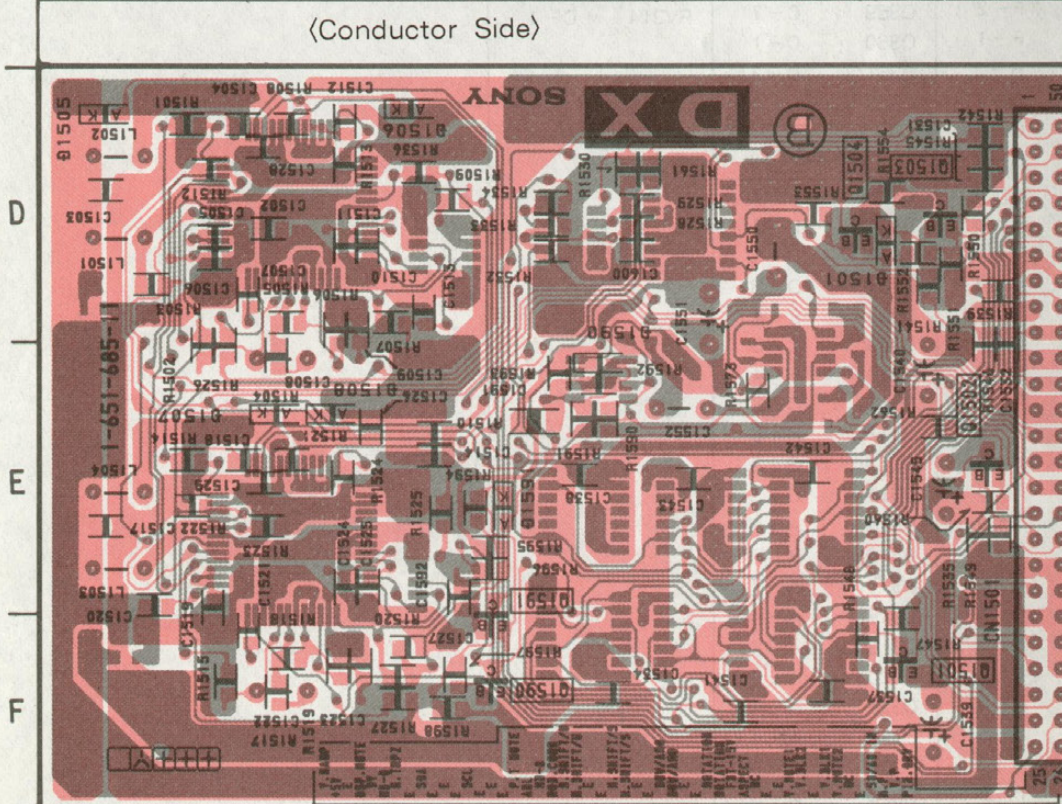
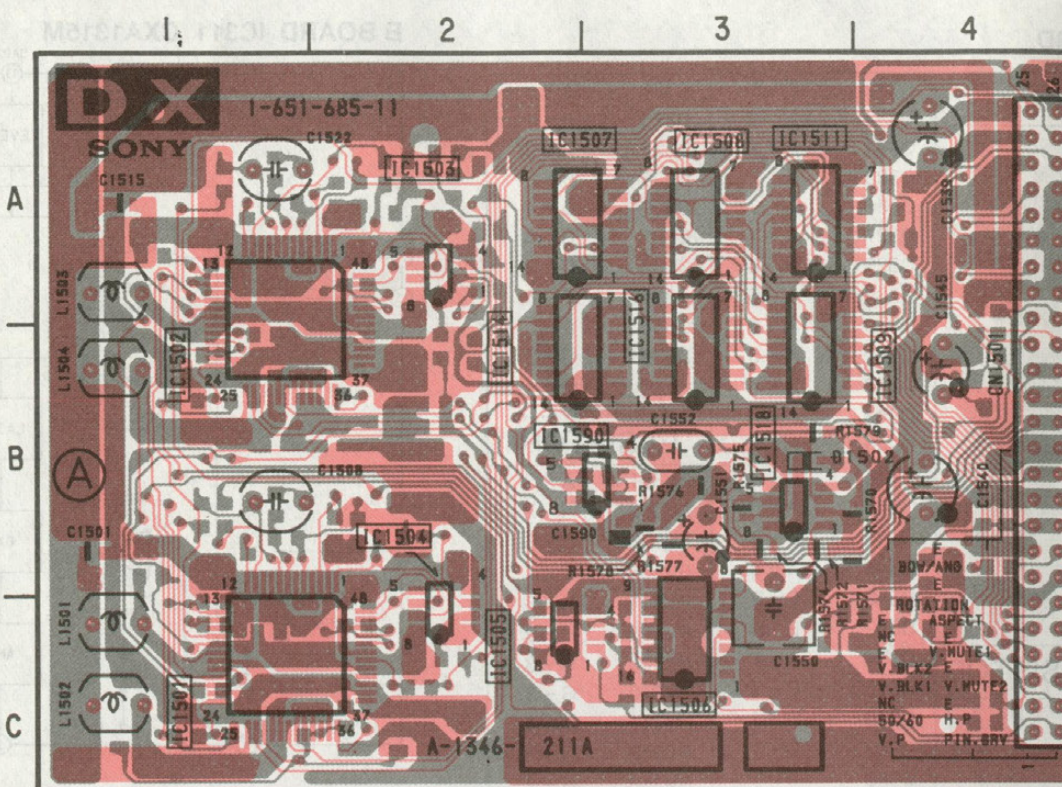
DX BOARD

IC	
IC1501	C-1
IC1502	B-1
IC1503	A-2
IC1504	B-2
IC1505	C-2
IC1506	C-3
IC1507	A-3
IC1508	A-3
IC1509	B-3
IC1511	A-3
IC1514	B-3
IC1516	B-3
IC1518	B-3
IC1590	B-3

DIODE	
Q1501	F-4
Q1502	E-4
Q1503	D-4
Q1504	D-3
Q1590	F-2
Q1591	E-2

TRANSISTOR	
D1501	D-4
D1502	B-3
D1505	D-1
D1506	D-2
D1507	E-1
D1508	E-2
D1590	E-3
D1591	E-2

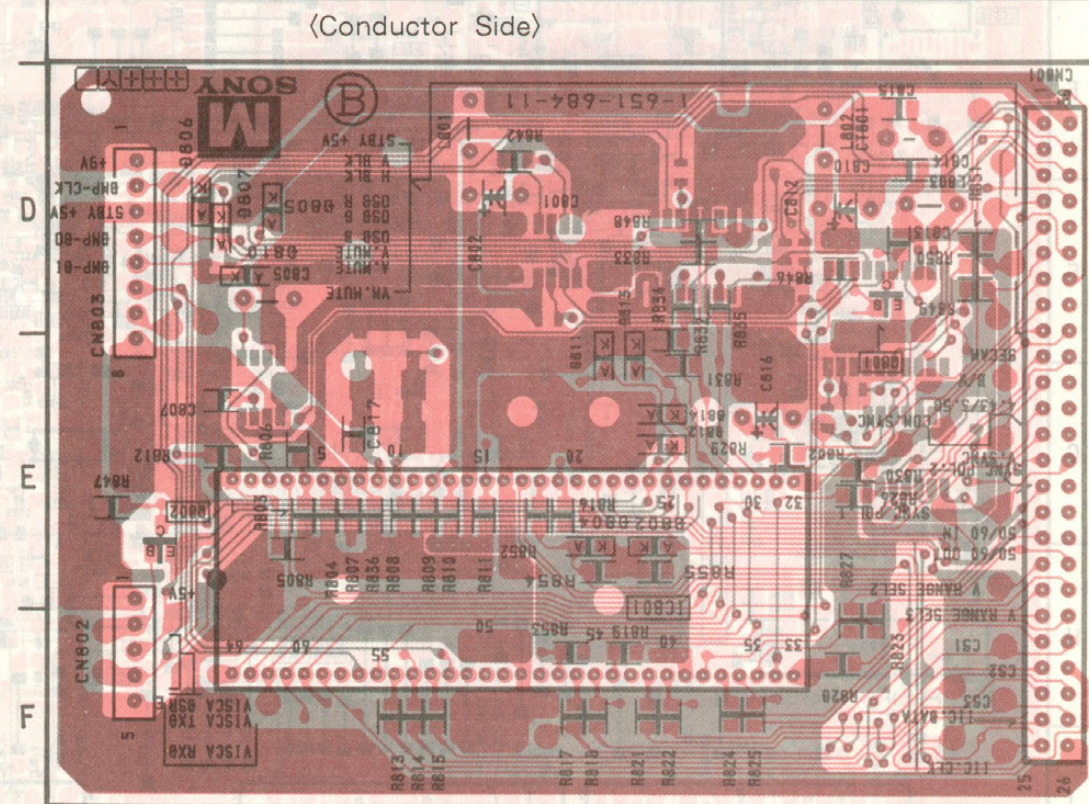
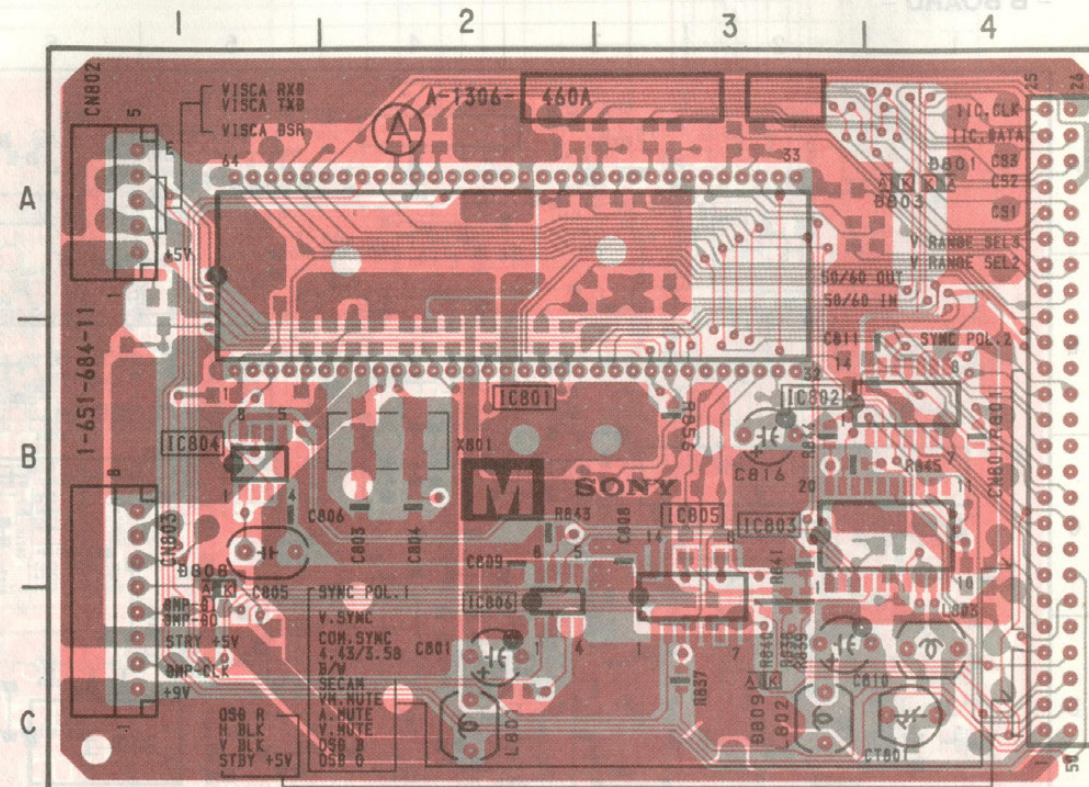
- DX BOARD - (Component Side)



Note :

- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

- M BOARD - (Component Side)

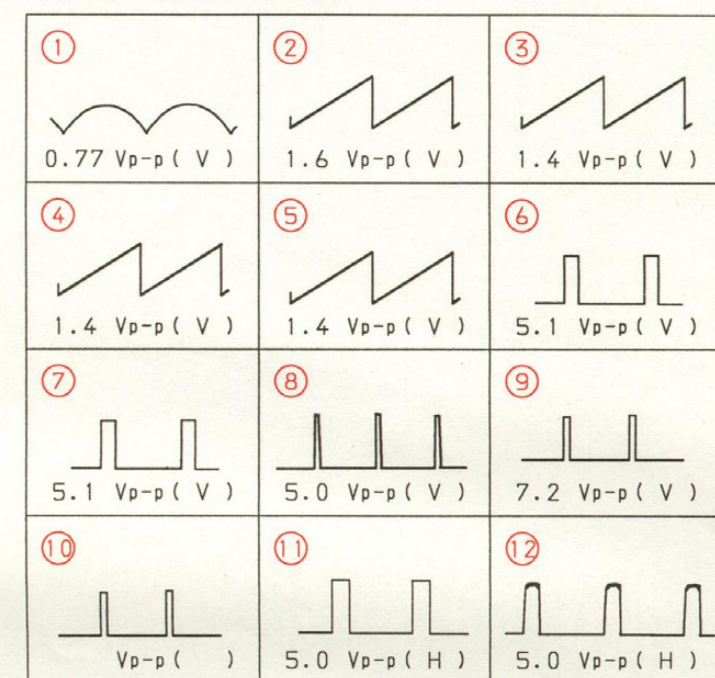


Note :

- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

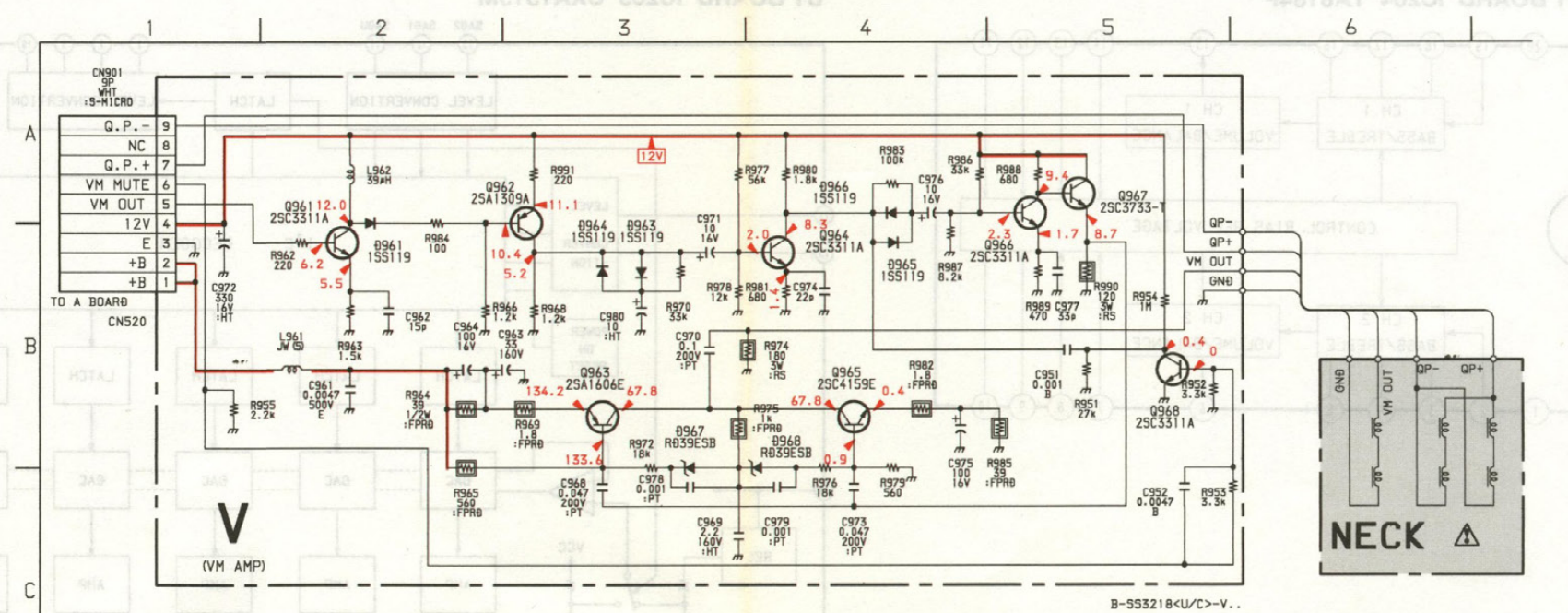
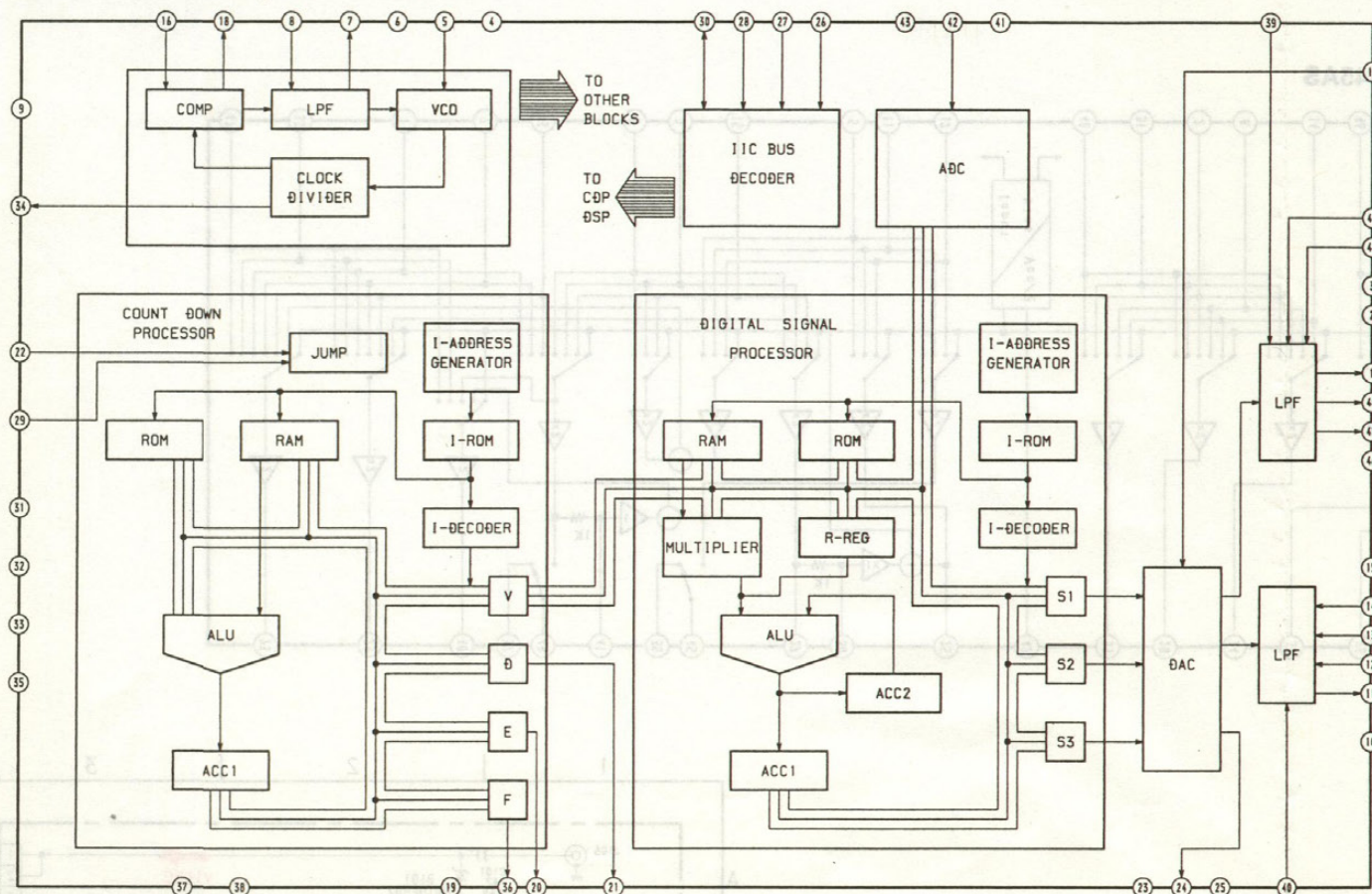
DX BOARD IC1501, 1502 CXD2018Q

DX BOARD WAVEFORMS



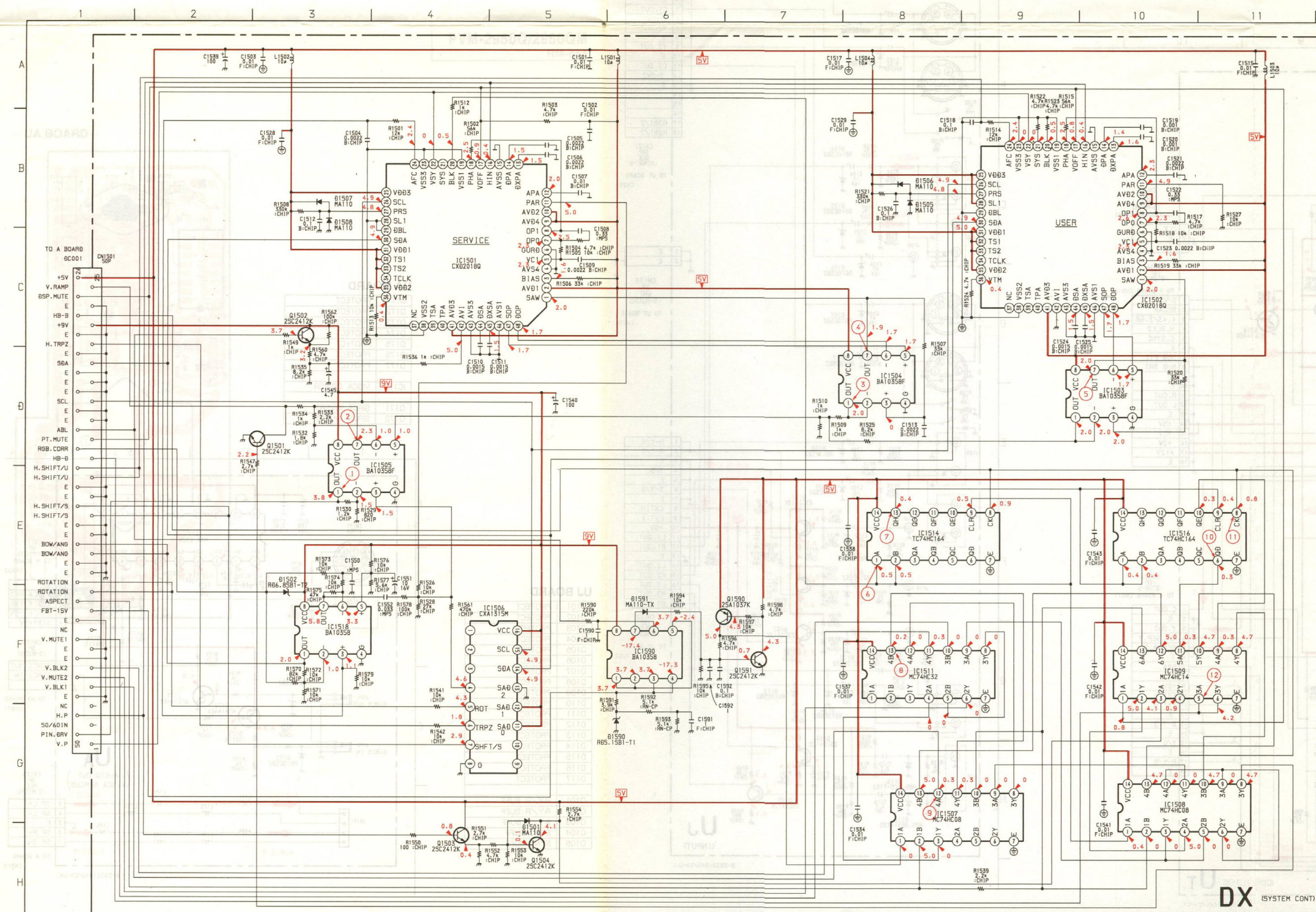
DX BOARD

D1501	H BLK SW 3
D1502	6.8V CLAMP
D1506	PROTECT
D1507	PROTECT
D1508	PROTECT
D1509	REF VOLT
D1591	VOLT RECT
IC1501	SERVICE GEO CTRL
IC1502	USER GEO CTRL
IC1503	V SAW BUFF
IC1504	V SAW BUFF
IC1505	D/A CONV
IC1506	REF SHIFT 5
IC1507	REF SHIFT 6
IC1508	REF SHIFT 4
IC1511	REF SHIFT 3
IC1514	REF SHIFT 1
IC1516	REF SHIFT 2
IC1518	AFC CORR
IC1590	ABL BLK
Q1501	SHIFT SW
Q1502	ABL BUFF
Q1503	H BLK SW 1
Q1504	H BLK SW 2
Q1590	ABL BLK OUT 1
Q1591	ABL BLK OUT 2



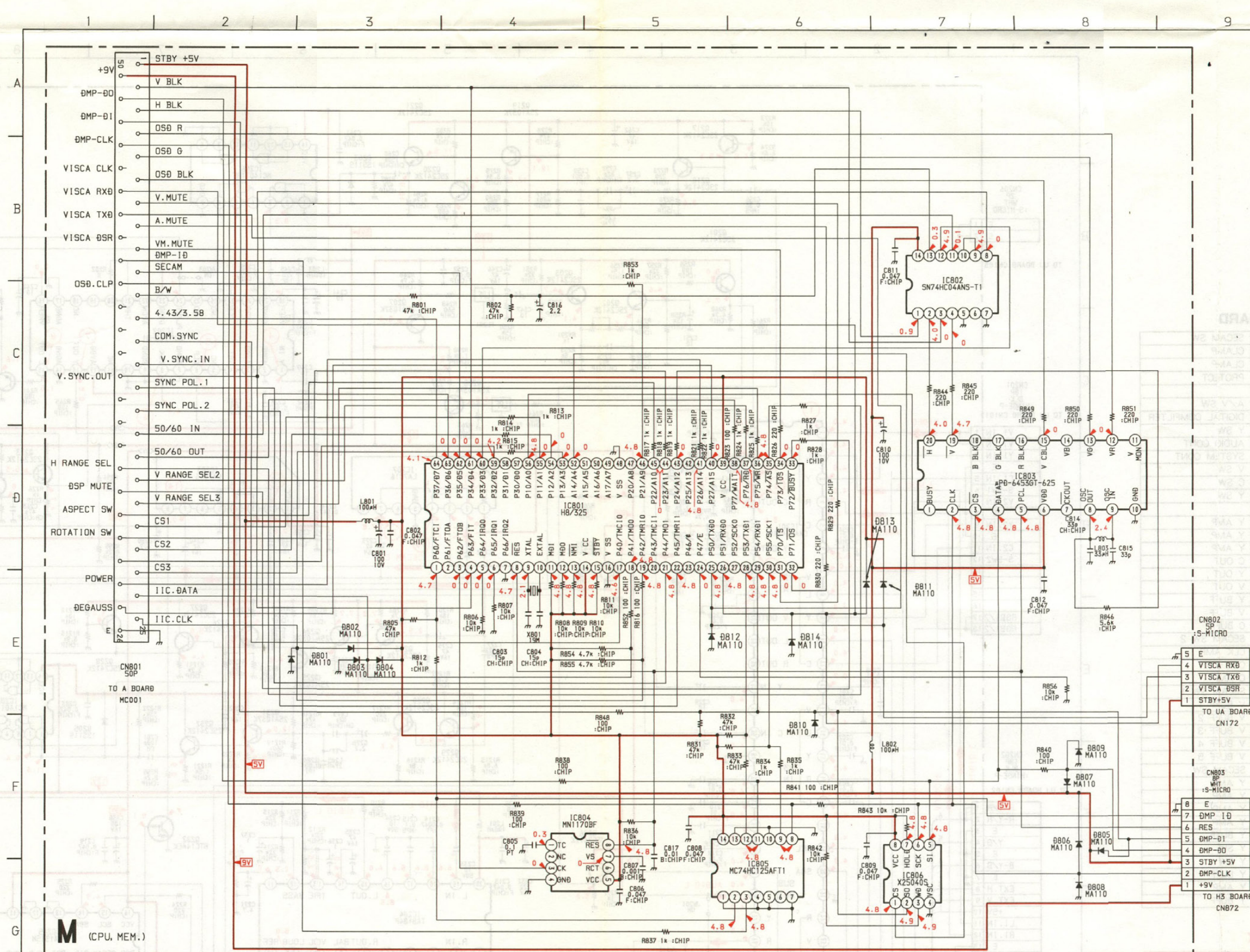
V BOARD

D961	DC BIAS
D963	SLI CE
D964	SLI CE
D965	CLIP
D966	CLIP
D967	PROT
D968	PROT
Q961	VM AMP 1
Q962	VM AMP 2
Q963	VM OUT
Q964	VM OUT
Q965	VM OUT
Q966	VM OUT 1
Q967	VM OUT 2
Q968	MUTE SW



DX (SYSTEM CONT)

B-5532184U/CX-DX



M BOARD

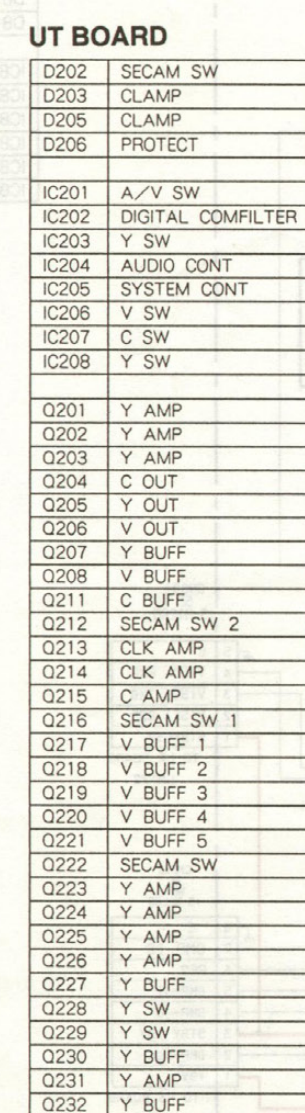
D801	PROTECT
D802	PROTECT
D803	PROTECT
D804	PROTECT
D805	PROTECT
D806	PROTECT
D807	PROTECT
D808	PROTECT
D809	PROTECT
D810	PROTECT
D811	PROTECT
D812	PROTECT
D813	PROTECT
D814	PROTECT
IC801	MICOM
IC802	INVERTER
IC803	CHARACTER GEN
IC804	RESET
IC805	BUFF
IC806	MEMORY

Schematic diagrams

DX M V boards

Schematic diagrams

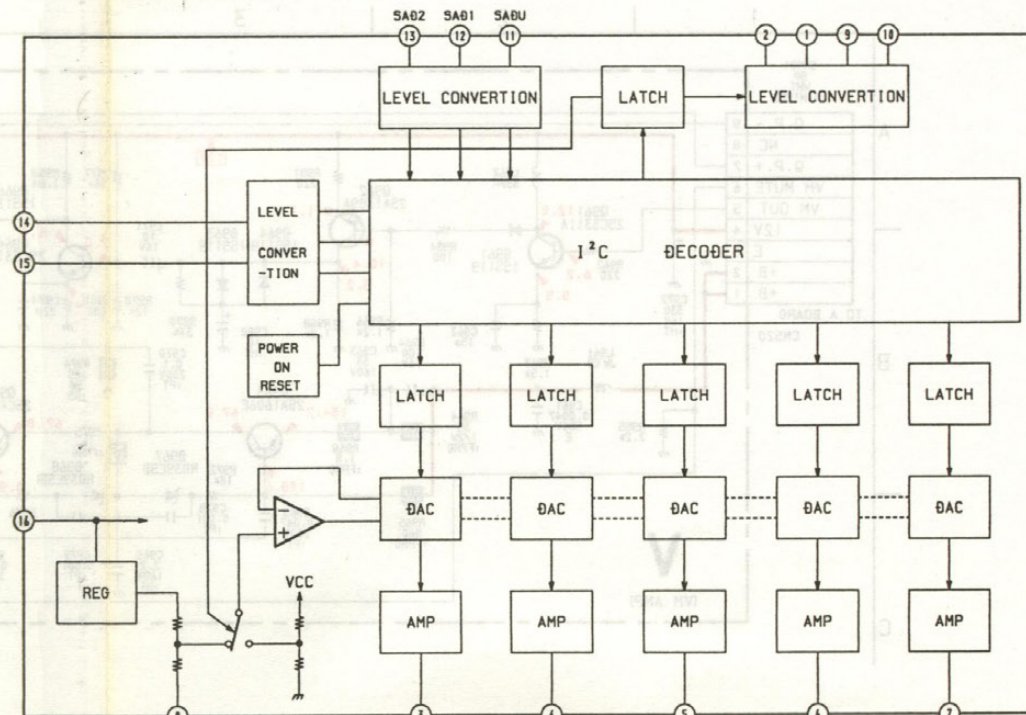
UA UJ UT boards



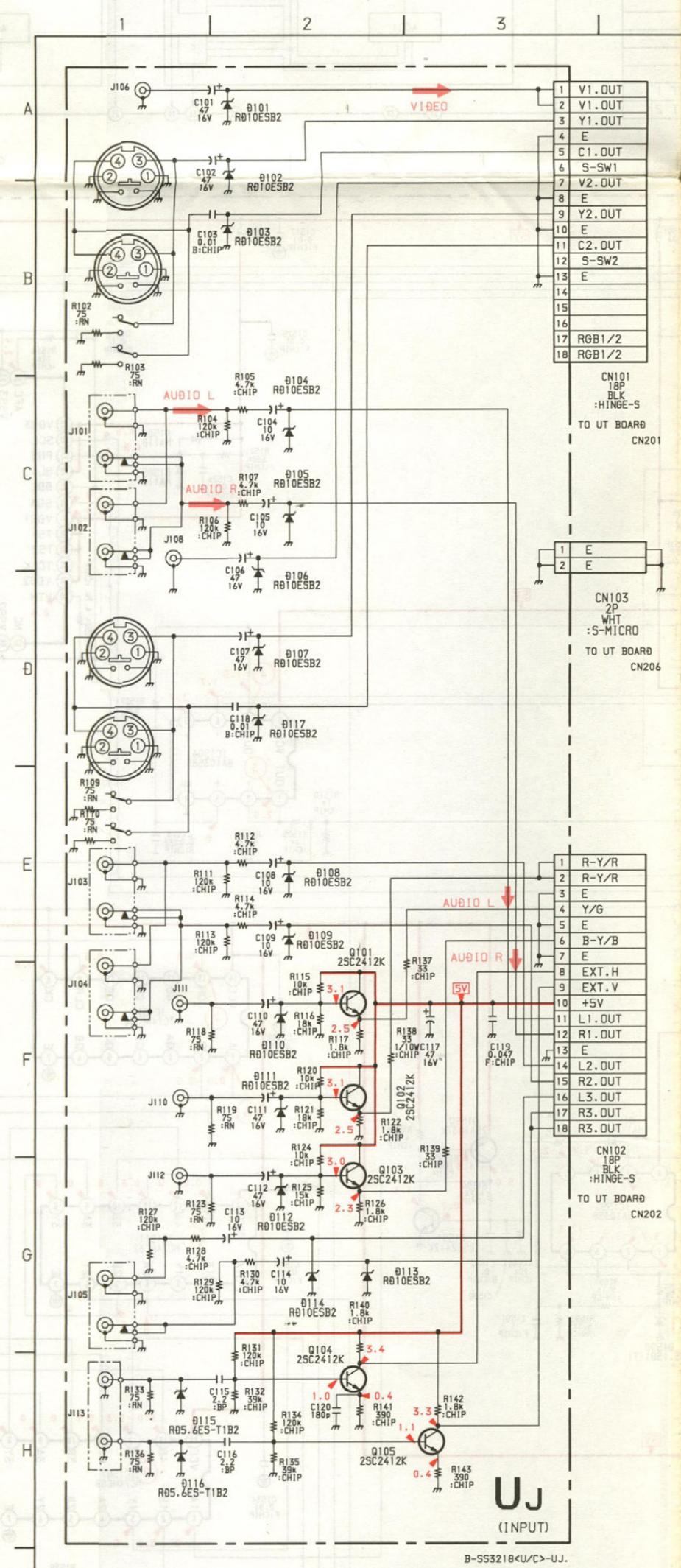
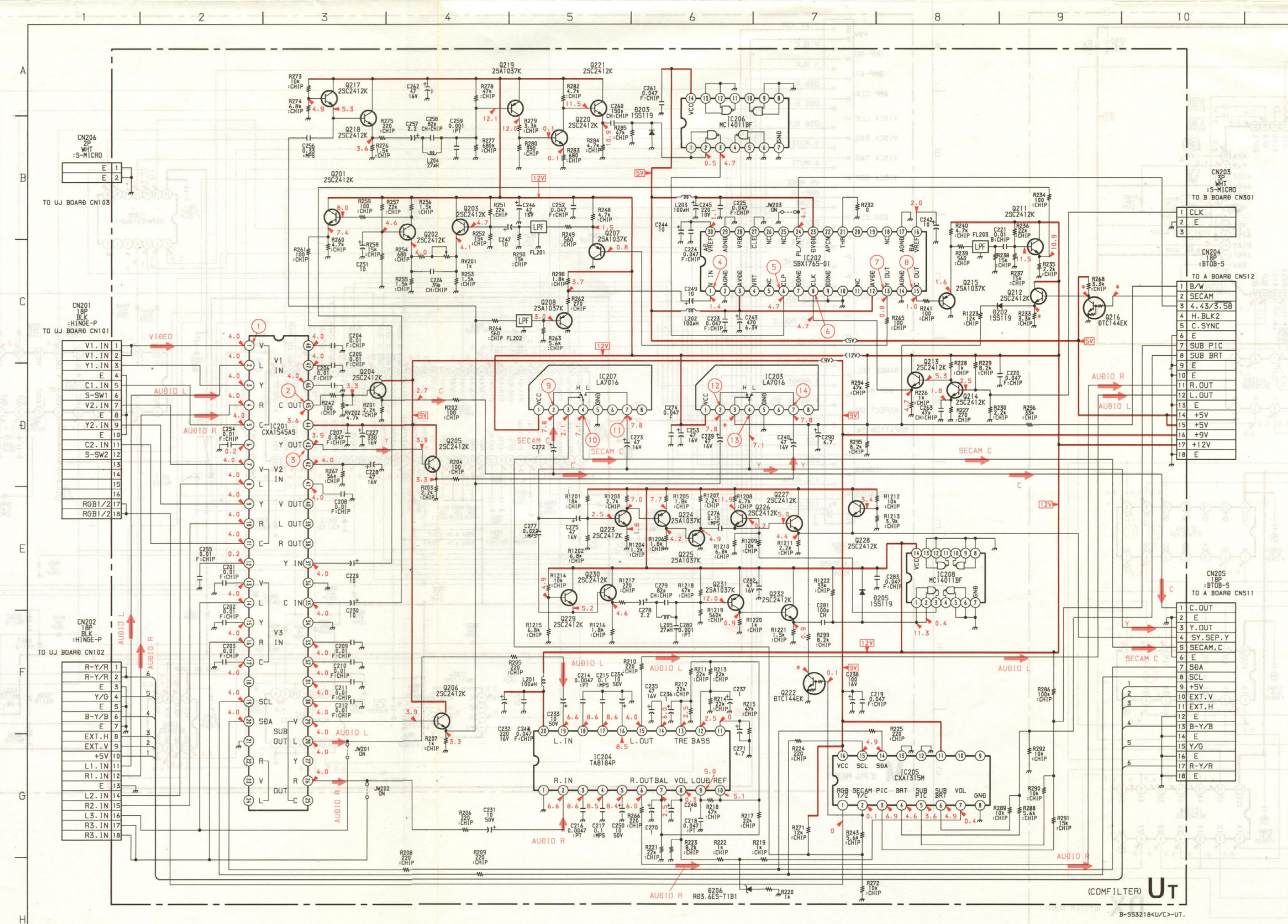
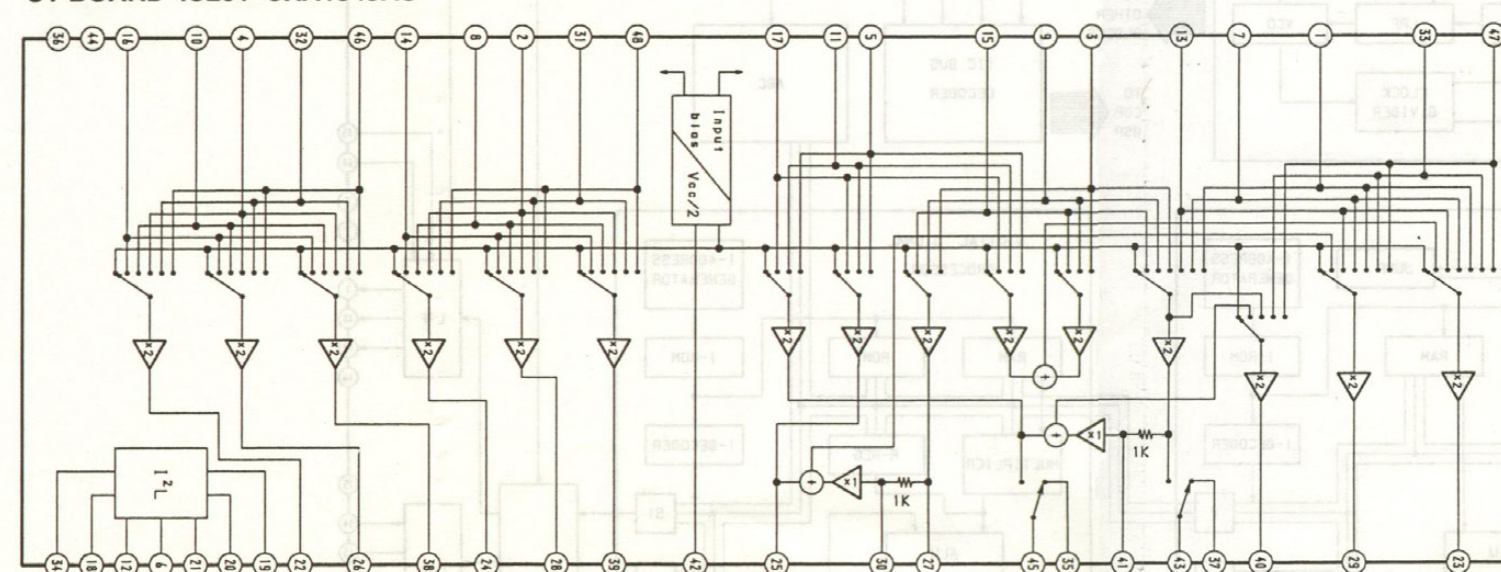
REF. NO	PAL	SECAM	NTSC 3.58	NTSC 4.43
IC202 ④	4.0	4.1	0.1	4.1
IC203 ④	1.5	3.5	1.5	1.5
IC206 ④	5.0	5.0	5.0	2.3
IC208 ④	11.9	11.9	0	11.9
Q212 B	0	5.0	0	0
E	0	4.4	0	0
Q216 B	4.6	0	4.6	4.6
C	0	5.0	0	0
Q222 C	1.5	3.5	1.5	1.5
Q227 C	12.0	11.9	0	11.9

Schematic diagrams

UT BOARD IC205 CXA1315M



UT BOARD IC201 CXA1545AS



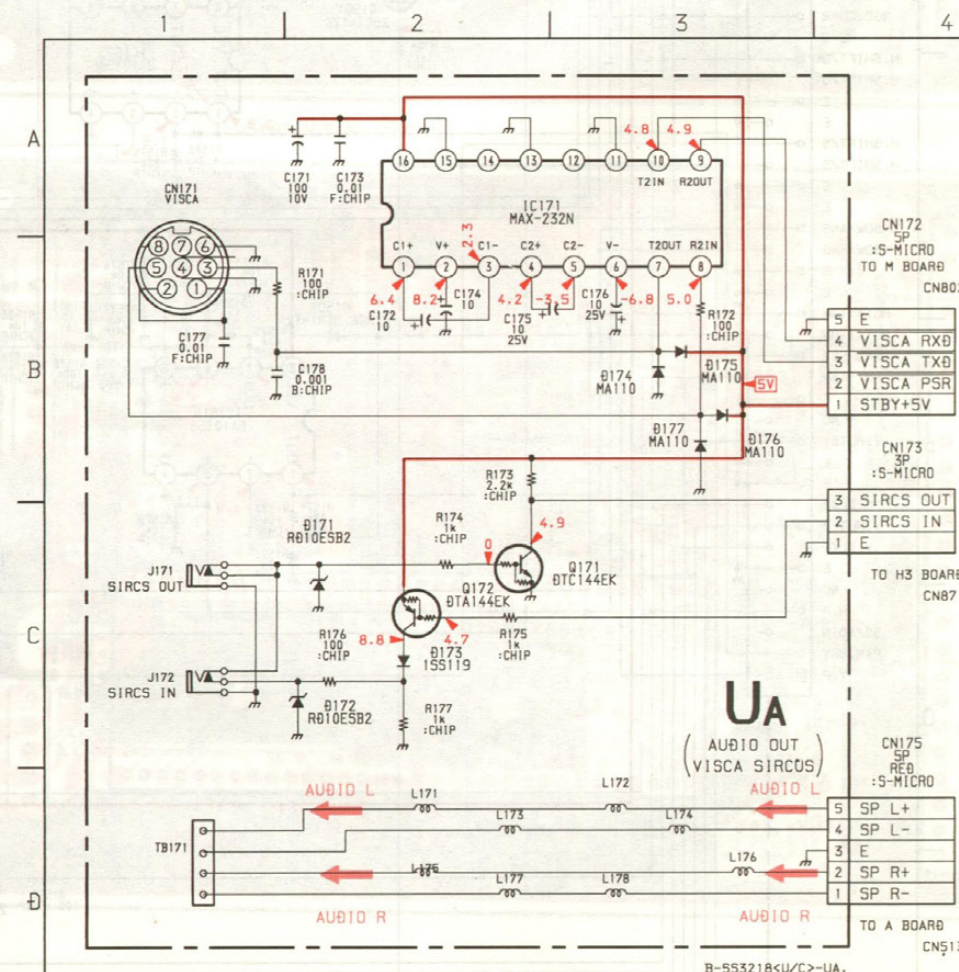
UJ BOARD

D101	PROTECT
D102	PROTECT
D103	PROTECT
D104	PROTECT
D105	PROTECT
D106	PROTECT
D107	PROTECT
D108	PROTECT
D109	PROTECT
D110	PROTECT
D111	PROTECT
D112	PROTECT
D113	PROTECT
D114	PROTECT
D115	PROTECT
D116	PROTECT
D117	PROTECT
Q101	R Y / R BUFF
Q102	R Y / R BUFF
Q103	B Y / B BUFF
Q104	SYNC BUFF
Q105	SYNC BUFF

B-SS3218<U/C>-UJ.

UA BOARD

D171	PROTECT
D172	PROTECT
D173	PROTECT
D174	PROTECT
D175	PROTECT
D176	PROTECT
D177	PROTECT
IC171	VISCA DRIVER
Q171	SIRCS INVERT
Q172	SIRCS INVERT

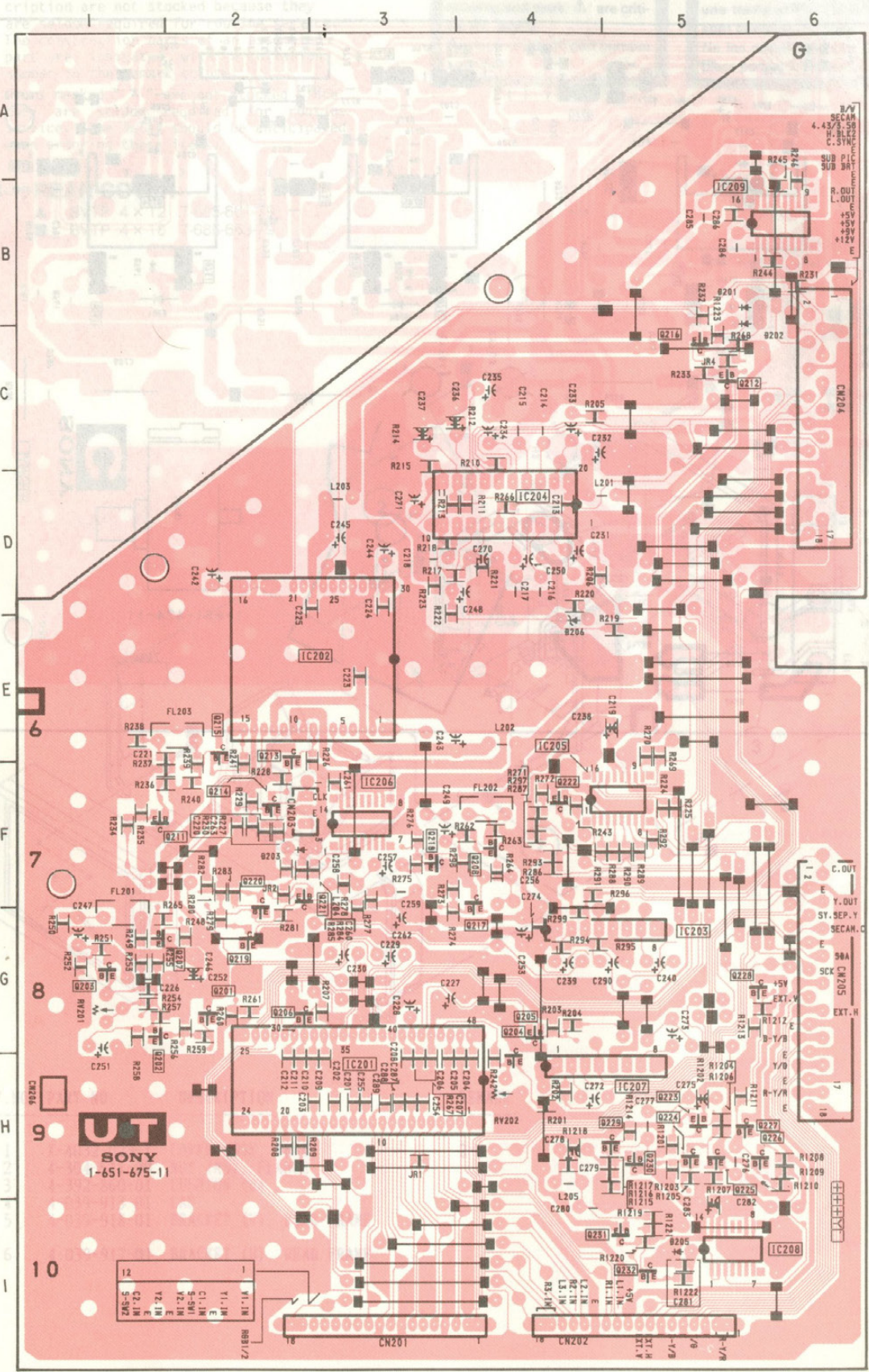


U

B-SS3218<U/C>-UA.

UT [COM FILTER] **UJ** [INPUT] **UA** [AUDIO OUT, VISCA, SIRCS]

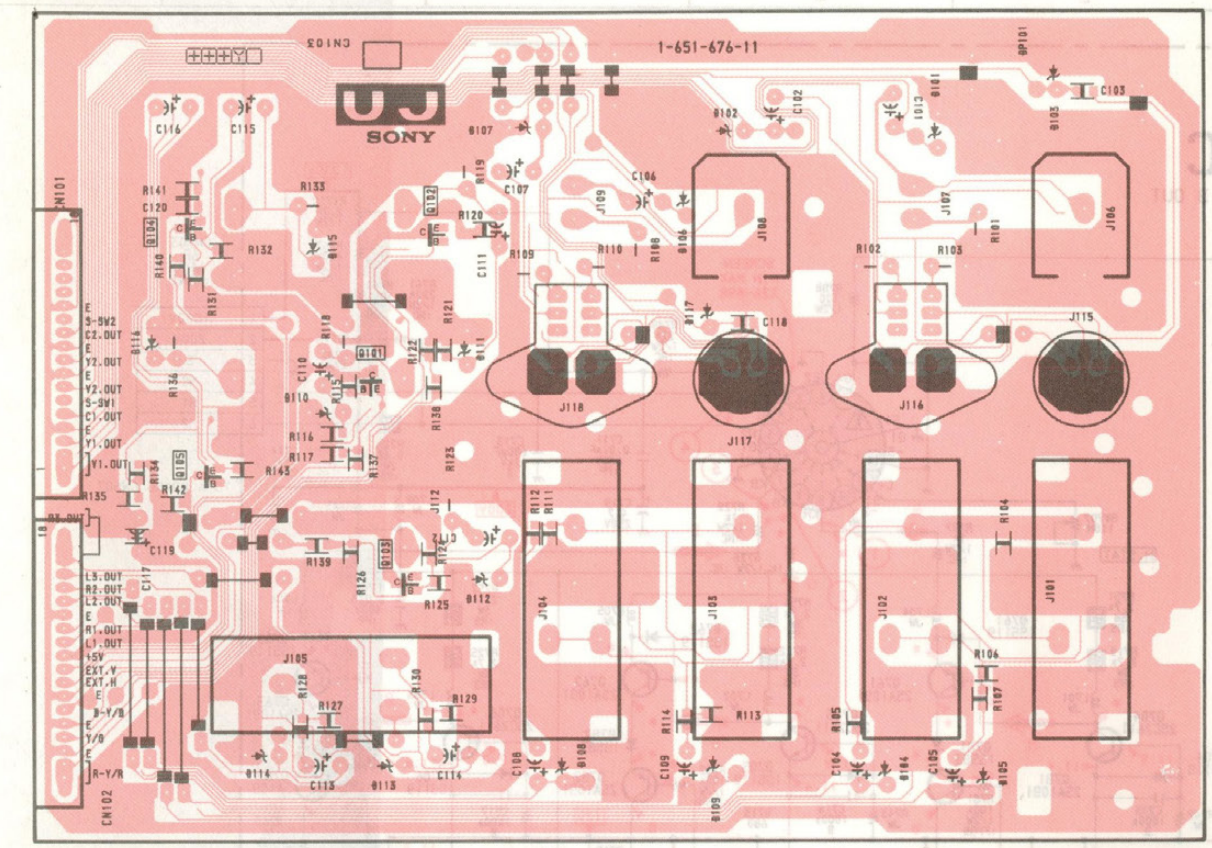
— UTBOARD —



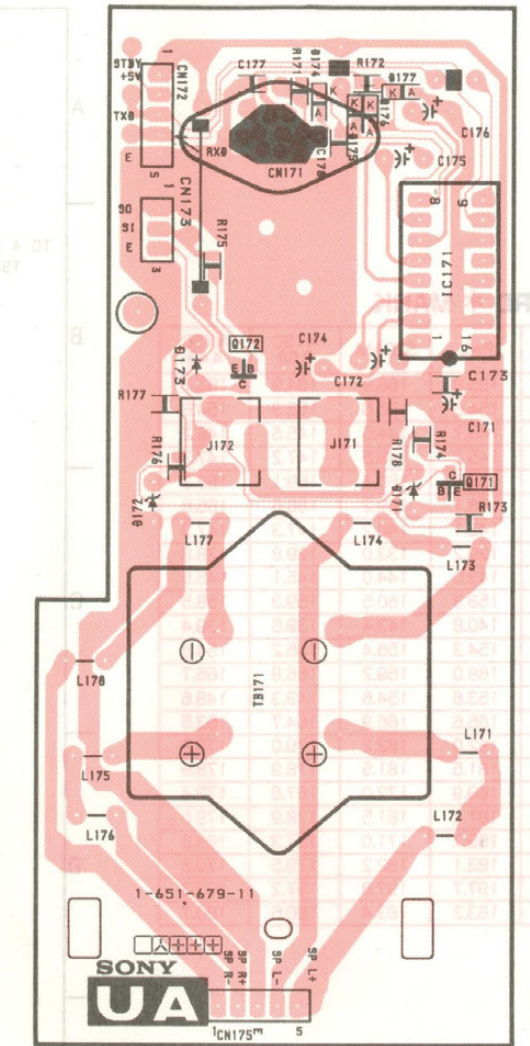
UT BOARD

IC	
IC201	H-3
IC202	E-2
IC203	G-5
IC204	D-4
IC205	F-5
IC206	F-3
IC207	H-5
IC208	I-5
DIODE	
D202	C-5
D203	F-2
D205	I-5
D206	E-4
TRANSISTOR	
Q201	G-2
Q202	G-1
Q203	G-1
Q204	H-4
Q205	G-4
Q206	G-2
Q207	G-1
Q208	F-4
Q211	F-1
Q212	C-5
Q213	E-2
Q214	F-2
Q215	E-2
Q216	C-5
Q217	F-4
Q218	F-3
Q219	G-2
Q220	F-2
Q221	F-2
Q222	F-4
Q223	H-5
Q224	H-5
Q225	H-5
Q226	H-5
Q227	H-5
Q228	G-5
Q229	H-5
Q230	H-5
Q231	I-5
Q232	I-5
VARIABLE RESISTOR	
RV201	G-1
RV202	H-4

— UJ BOARD —

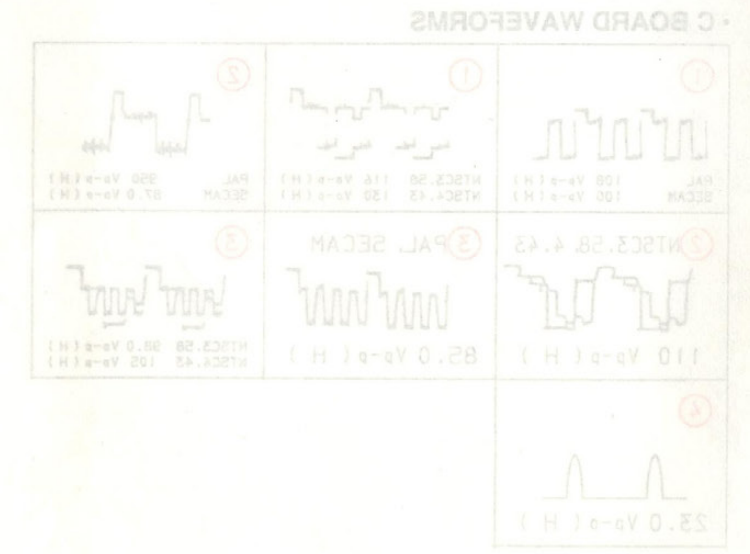


— UA BOARD —



C BOARD

Q101	PROTECT
Q102	PROTECT
Q103	PROTECT
Q104	PROTECT
Q105	PROTECT
Q106	PROTECT
Q107	PROTECT
Q108	PROTECT
Q109	PROTECT
Q110	PROTECT
Q111	PROTECT
Q112	PROTECT
Q113	PROTECT
Q114	PROTECT
Q115	PROTECT
Q116	PROTECT
Q117	PROTECT
Q118	PROTECT
Q119	PROTECT
Q120	PROTECT
Q121	PROTECT
Q122	PROTECT
Q123	PROTECT
Q124	PROTECT
Q125	PROTECT
Q126	PROTECT
Q127	PROTECT
Q128	PROTECT
Q129	PROTECT
Q130	PROTECT
Q131	PROTECT
Q132	PROTECT
Q133	PROTECT
Q134	PROTECT
Q135	PROTECT
Q136	PROTECT
Q137	PROTECT
Q138	PROTECT
Q139	PROTECT
Q140	PROTECT
Q141	PROTECT
Q142	PROTECT
Q143	PROTECT
Q144	PROTECT
Q145	PROTECT
Q146	PROTECT
Q147	PROTECT
Q148	PROTECT
Q149	PROTECT
Q150	PROTECT
Q151	PROTECT
Q152	PROTECT
Q153	PROTECT
Q154	PROTECT
Q155	PROTECT
Q156	PROTECT
Q157	PROTECT
Q158	PROTECT
Q159	PROTECT
Q160	PROTECT
Q161	PROTECT
Q162	PROTECT
Q163	PROTECT
Q164	PROTECT
Q165	PROTECT
Q166	PROTECT
Q167	PROTECT
Q168	PROTECT
Q169	PROTECT
Q170	PROTECT
Q171	PROTECT
Q172	PROTECT
Q173	PROTECT
Q174	PROTECT
Q175	PROTECT
Q176	PROTECT
Q177	PROTECT
Q178	PROTECT
Q179	PROTECT
Q180	PROTECT
Q181	PROTECT
Q182	PROTECT
Q183	PROTECT
Q184	PROTECT
Q185	PROTECT
Q186	PROTECT
Q187	PROTECT
Q188	PROTECT
Q189	PROTECT
Q190	PROTECT
Q191	PROTECT
Q192	PROTECT
Q193	PROTECT
Q194	PROTECT
Q195	PROTECT
Q196	PROTECT
Q197	PROTECT
Q198	PROTECT
Q199	PROTECT
Q200	PROTECT



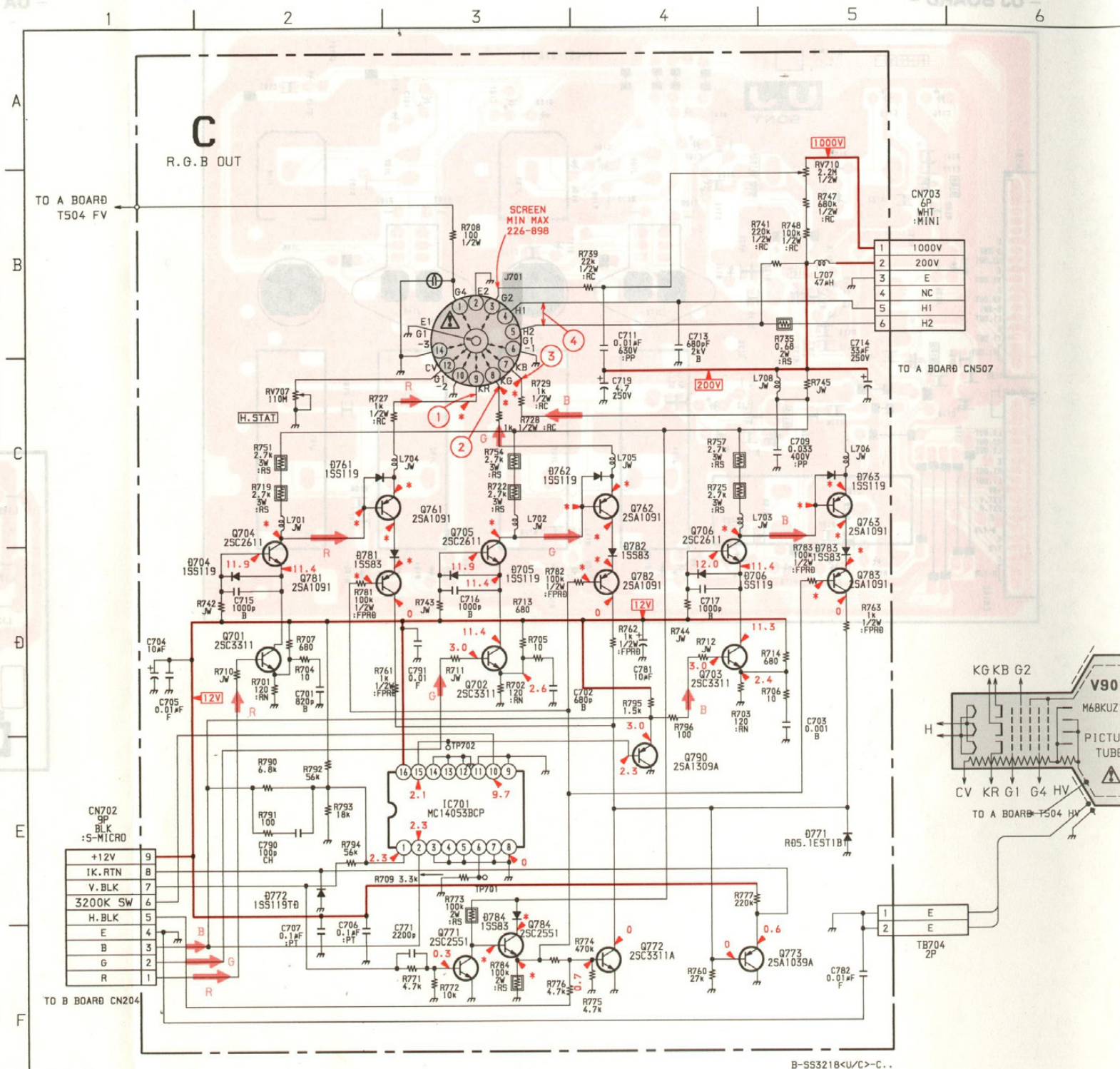
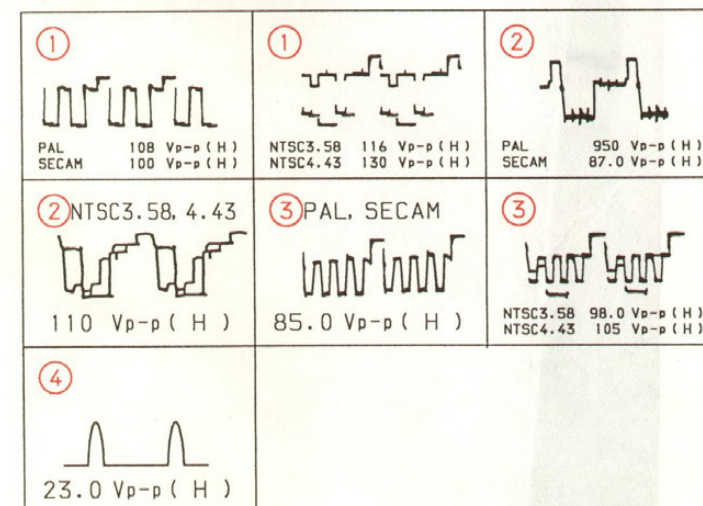
C BOARD

D704	PROTECT
D705	PROTECT
D706	PROTECT
D761	SPEED UP
D762	SPEED UP
D763	SPEED UP
D771	PROTECT
D772	PROTECT
D781	PROTECT
D782	PROTECT
D783	PROTECT
D784	BLK BUFF
IC701	3200 SW
Q701	R DRIVE
Q702	G DRIVE
Q703	B DRIVE
Q704	R OUT
Q705	G OUT
Q706	B OUT
Q761	IK DET
Q762	IK DET
Q763	IK DET
Q771	INVERT
Q772	BLK SW
Q773	IK BUFF
Q781	IK DET
Q782	IK DET
Q783	IK DET
Q784	BLK BUFF
Q790	B BUFF

C BOARD * MARK

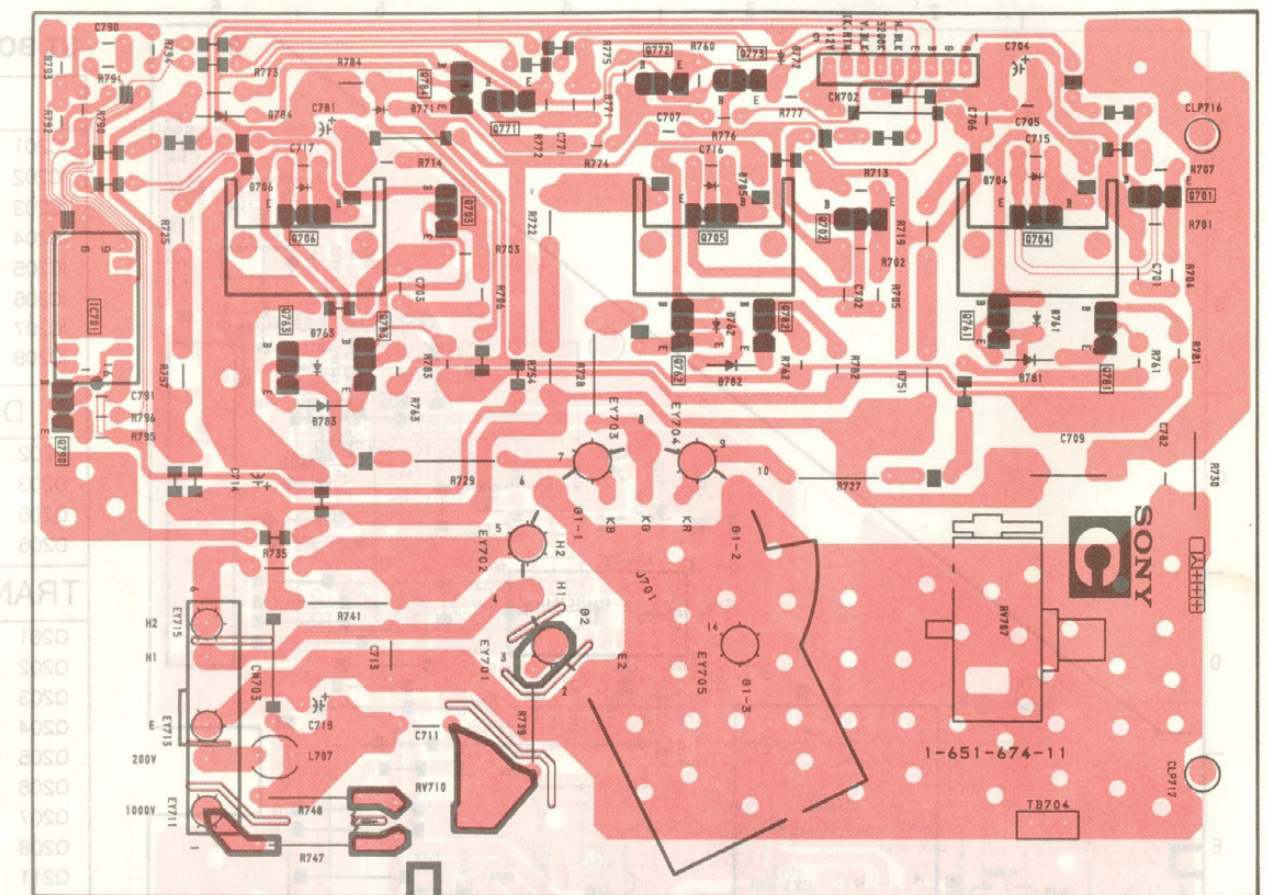
REF. NO	PAL	SECAM	NTSC 3.58	NTSC 4.43
J701 KB	165.8	166.9	164.9	163.7
RG	154.6	156.6	155.3	154.8
KR	143.7	144.6	145.6	146.2
Q704 C	145.2	146.5	147.2	147.3
Q705 C	158.4	160.7	159.1	158.3
Q706 C	168.1	169.2	166.6	165.6
Q761 B	145.1	146.2	147.3	147.3
C	129.2	133.0	129.8	128.8
E	143.0	144.0	145.1	145.5
Q762 B	158.3	160.5	159.3	158.5
C	140.8	143.4	139.6	139.4
E	154.3	156.4	155.2	154.6
Q763 B	168.0	169.2	166.9	165.7
C	153.6	154.6	149.3	148.6
E	165.6	166.9	164.7	163.5
Q771 C	182.0	182.2	179.0	179.8
Q781 B	181.5	181.5	178.9	178.9
E	169.9	172.0	167.8	172.4
Q783 B	181.4	181.5	178.9	179.0
E	169.7	171.0	167.3	168.2
Q784 B	182.1	182.2	179.5	179.6
C	197.7	197.8	197.2	197.3
E	183.2	183.4	180.6	180.7

C BOARD WAVEFORMS



C [R. G. B OUT]

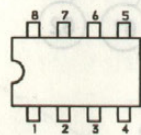
- C BOARD -



7-5. SEMICONDUCTORS

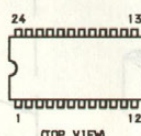
BA10358F
X25040SI

(TOP VIEW)

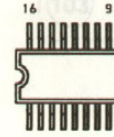
BA10358
BA10393
LM358N
LM358P
LM393P
MM1170BFB
M5216P
μPC353C
μPC393C

(TOP VIEW)

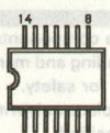
CXA1214P



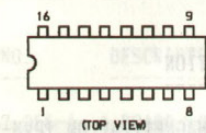
(TOP VIEW)

CXA1315M
MC14053BFP
MC74HC08AF-T2

(TOP VIEW)

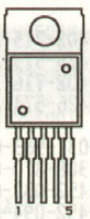
CXA1526P
LA7220
MAX232N
MC14053BCP
SN74LS221N
μPD4053BC

(TOP VIEW)

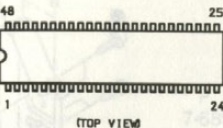


(TOP VIEW)

MC14052BF

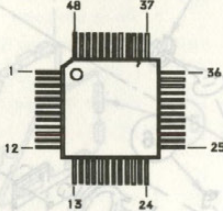


(TOP VIEW)

CXA1545AS
CXA1739S

(TOP VIEW)

CX02018Q



LA7016



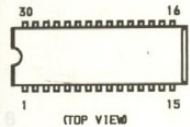
(TOP VIEW)

LA7851MK
LA7856

(TOP VIEW)

MC14011BF-T2
MC14070BF
MC74HC125AF
MC74HC14AF-T2
MC74HC32AF
SN74HC04ANS
SN74HC14ANS

M51279SP



(TOP VIEW)

PM-21



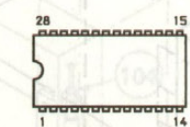
MARKING SIDE VIEW

PM-30



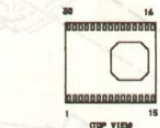
MARKING SIDE VIEW

SC402130B

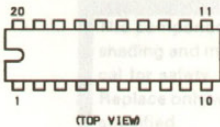


(TOP VIEW)

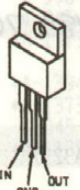
SBX1765-01



(TOP VIEW)

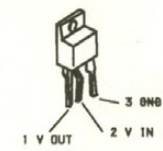
M52036SP
TA8184P

(TOP VIEW)

NJM78M05FA
TA7805S
TA7812S
μPC7805H
μPC7812H
XRA178M05T

(TOP VIEW)

SE-135N

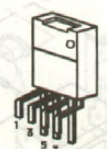


1 V OUT 2 V IN

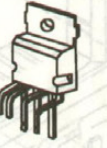
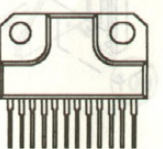
SI-3090CA



STR-M6515A

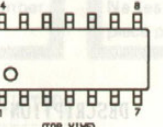


STV9379

TA8200AH
TA8216H

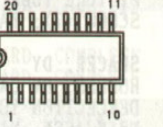
(TOP VIEW)

TC74HC164AF (EL)

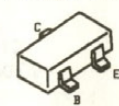


(TOP VIEW)

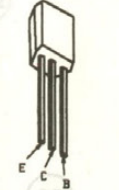
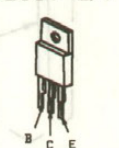
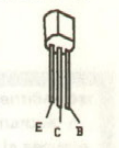
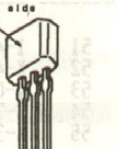
μPC645GT-625-E1



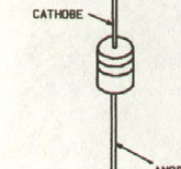
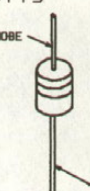
(TOP VIEW)

0TA114EK
0TA144EK
0TC144EK
2SA1036K-R
2SA1037-QR
2SA1162G
2SC1623-L5L6
2SC2412K-QR

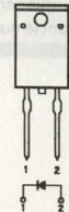
0TC144ES

IRF614
2SA1606-E
2SB858-C
2SB860
2SC3298B-0
2SC4159-E
2S01137
2S02012
2S02061-E, F2SA1091-0
2SC2551-02SA1175-HFE
2SA1309A
2SC2785-HFE
2SC3311A

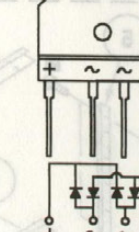
(TOP VIEW)

2SB733-34
2SB734-4
2SC3733
2S0774-342SC2611
2SC2688-LK
2SC3840K2SC4763 (LB SONY)
2SK1916-53-F50
2SK1916-53-F8701N20R
ERA38-06
ERA81-004
ERA82-004
REA83-006
ERA85-009
R010ESB2
R013ESB2
R02.2ESB
R02.2ESB2
R03.6ESB1
R033ESB2
R039ESB2
R039ESB4
R05.1ESB
R05.1ESB1
R05.1SB1-T1
R05.6ESB
R05.6ESB1
R05.6ESB2
R06.2ESB2
R06.8ESB1
R06.8SB1-T1
R07.5ESB
R07.5ESB2
R09.1ESB
R09.1ESL
1SS119

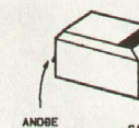
(TOP VIEW)

FML-G12S
05L60

06SB60L

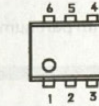
EGP100
ERB24-060TP1
ERC91-02
RGP02-20EL-6394EGP20G
EL1Z
GP080
RGP02-17EL-6433
RGP02-17PKG23
RGP10GPKG23
RGP15GPKG23
RU30A
1SS83

MA110



(TOP VIEW)

PC-111YS



RU-3AM



SH0R3042

S1BV10-S
S1BV40

SECTION 8 EXPLODED VIEWS

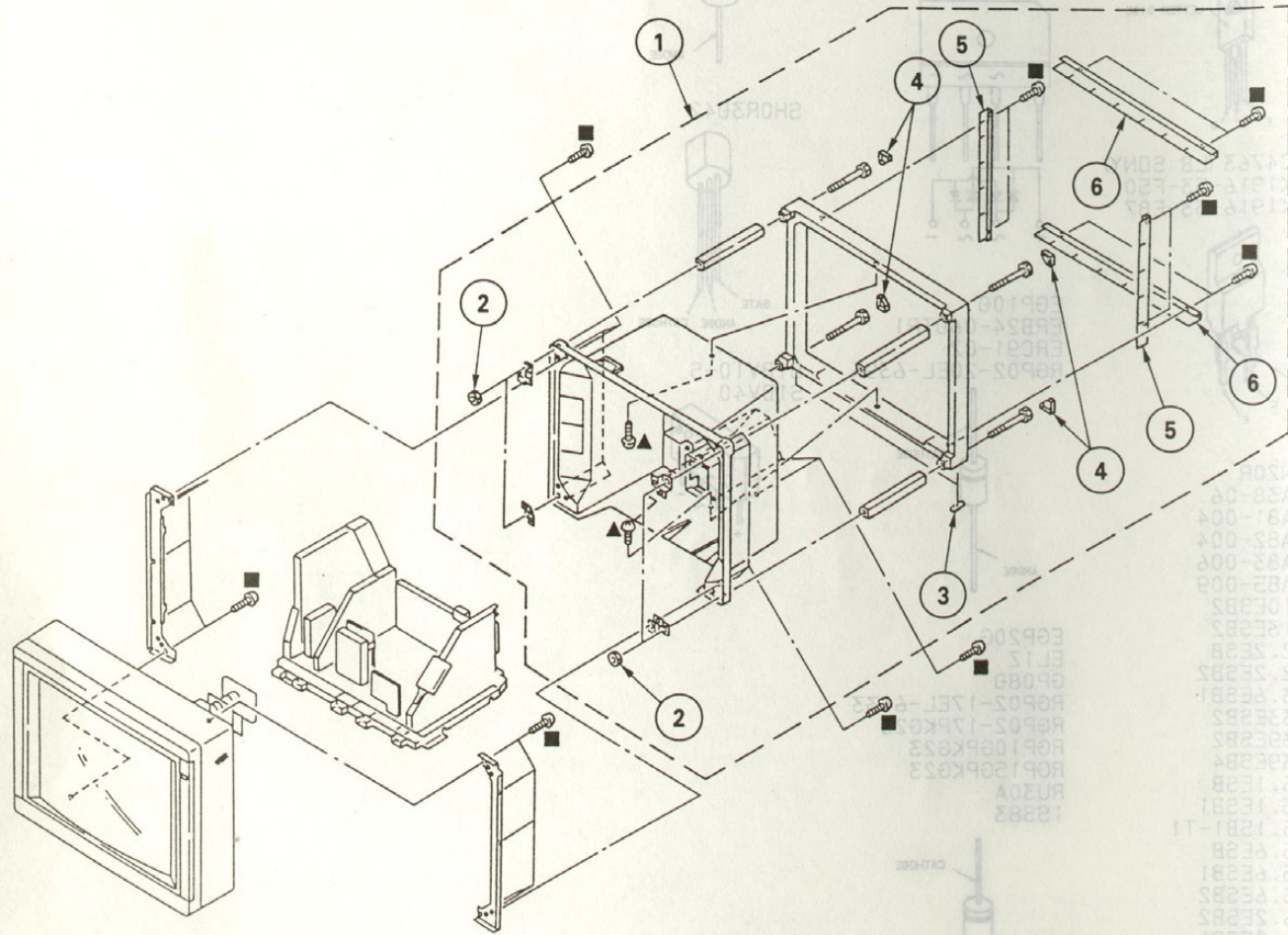
NOTE:
• Items with no part number and no description are not stocked because they are seldom required for routine service.
• The construction parts of an assembled part are indicated with a collation number in the remark column.
• Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark **▲** are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque **▲** sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

8-1. REAR COVER

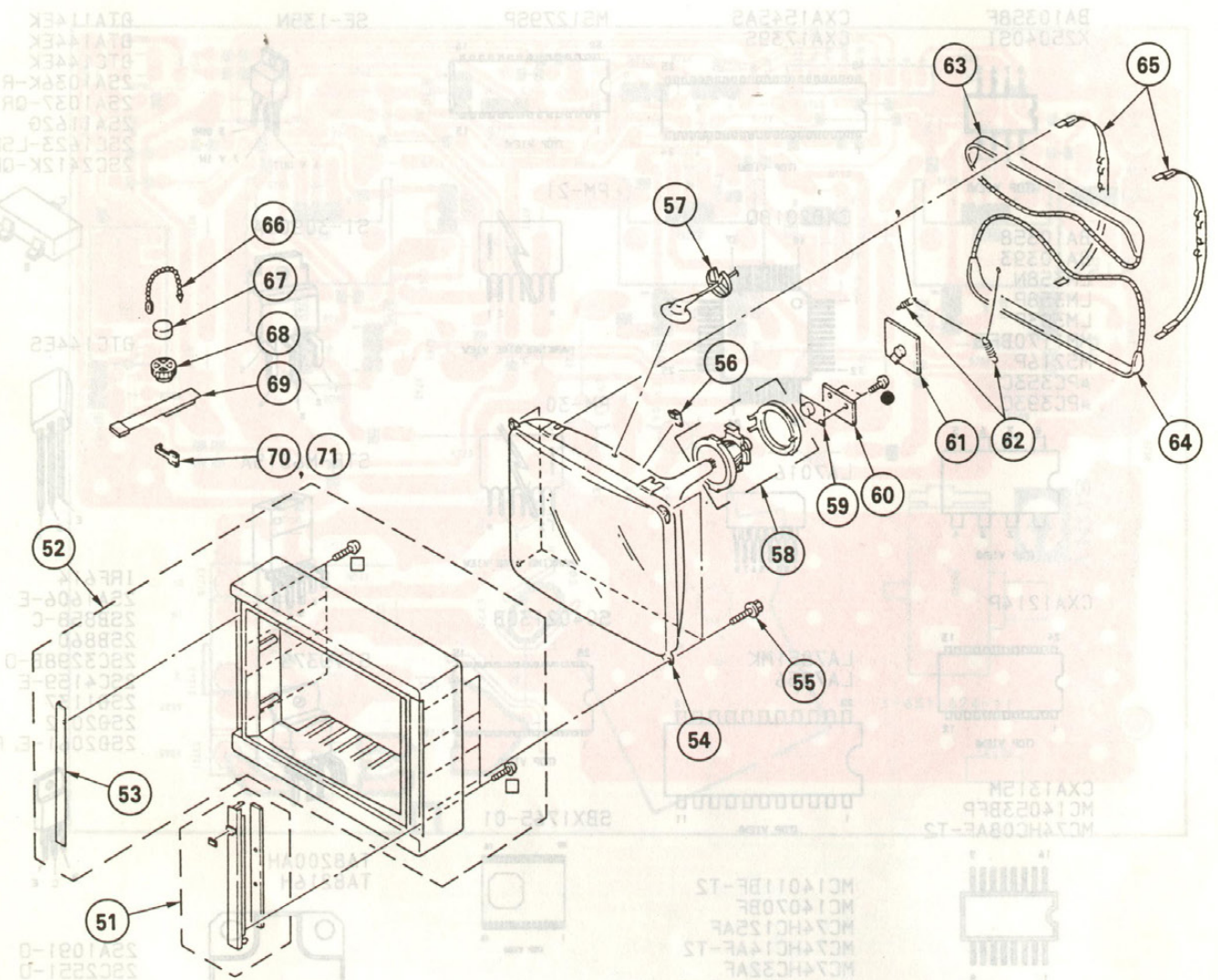
▲: BVTP 4 x 12 7-685-661-79
■: BVTP 4 x 16 7-685-663-79



REF. NO.	PART NO.	DESCRIPTION	REMARK
1	X-4032-023-1	COVER ASSY, REAR	2-6
2	4-304-511-00	NUT (M5), FLANGE	
3	4-392-860-01	CUSHION (B)	
4	4-039-913-01	CAP	
5	4-039-918-01	BRACKET (V), REAR FRAME	
6	4-039-917-01	BRACKET (H), REAR FRAME	

8-2. PICTURE TUBE

●: BVTP 3 x 12 7-685-648-79
□: BV 3 x 25 7-685-152-19



The components identified by shading and mark **▲** are critical for safety.
Replace only with part number specified.

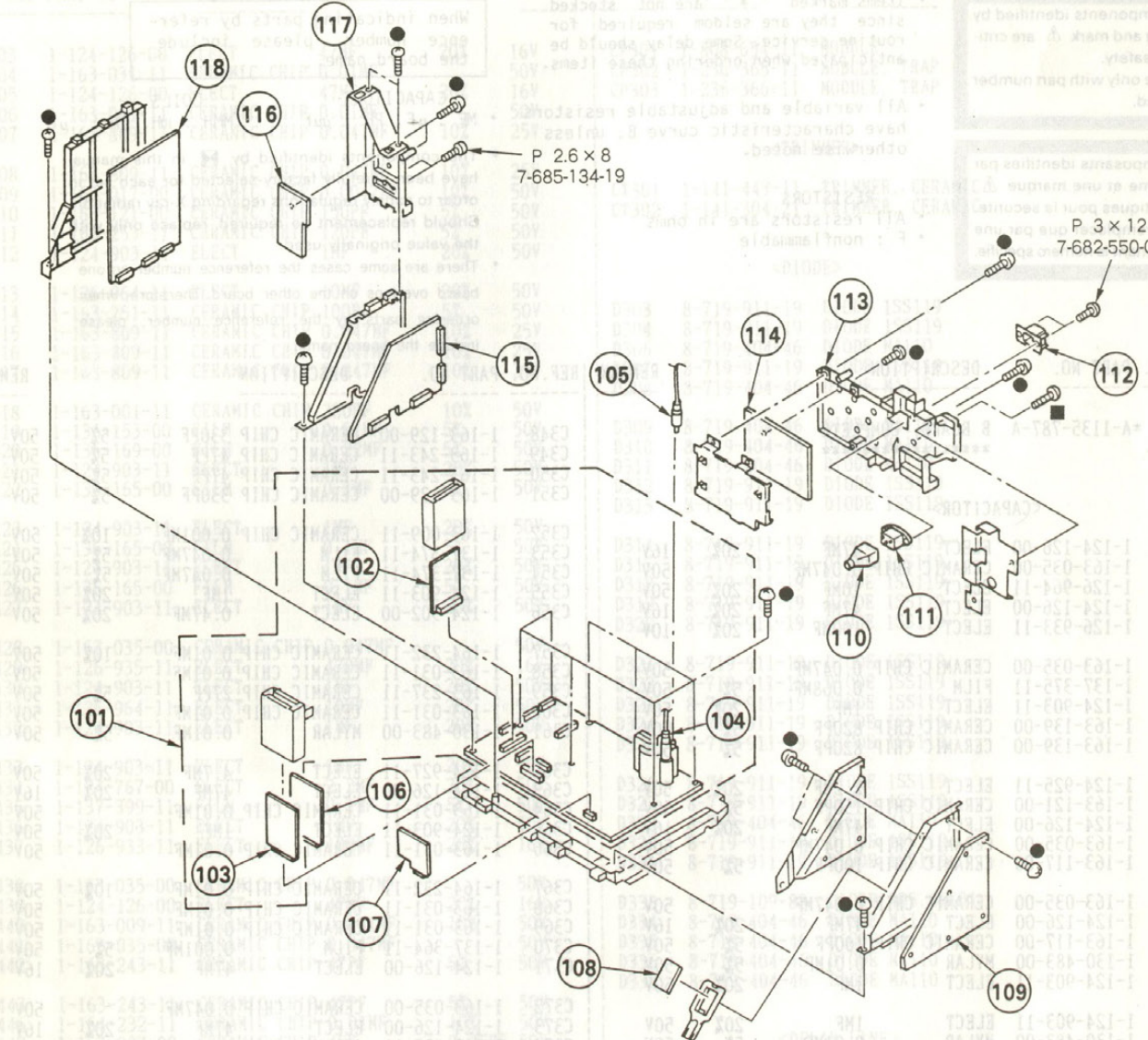
Les composants identifiés par une trame et une marque **▲** sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

REF. NO.	PART NO.	DESCRIPTION	REMARK
51	1-467-794-11	KEY BOARD UNIT	
52	X-4032-024-1	BEZNET ASSY	53
53	4-045-431-01	PANEL, BLIND	
54	▲ 8-733-845-05	PICTURE TUBE (M68KUZ10X)	483 76
55	4-390-505-01	SCREW (7), TAPPING	
56	3-704-495-01	SPACER, DY	
57	*3-704-372-01	HOLDER, HV CABLE	
58	▲ 8-451-394-31	DEFLECTION YOKE (Y29EXA)	
59	▲ 1-452-616-13	NECK ASSY, PICTURE TUBE (NA323)	
60	*A-1342-246-A	V BOARD, COMPLETE	
61	*A-1331-344-A	C BOARD, COMPLETE	
62	4-369-318-00	SPRING, TENSION	

REF. NO.	PART NO.	DESCRIPTION	REMARK
63	▲ 1-402-715-21	COIL, DEMAGNETIZATION (PVM-2950QM)	
64	▲ 1-426-573-22	COIL, DEGAUSSING (PVM-2950Q)	
65	▲ 1-402-716-21	COIL, DEMAGNETIZATION (PVM-2950QM)	
66	▲ 1-426-574-22	COIL, DEGAUSSING (PVM-2950Q)	
67	4-037-983-01	HOLDER, DGC	
68	4-308-870-00	CLIP, LEAD WIRE	
69	1-452-032-00	MAGNET, DISK; 10MM ϕ	
70	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ	
71	X-4306-312-0	PERMALLOY ASSY, CONVERGENCE	
72	4-034-272-01	PLATE, CORRECTION, TLV	
73	4-034-272-11	PLATE, CORRECTION, TLV	

8-3. CHASSIS

●: BVTP 3 x 12 7-685-648-79
■: BVTP 4 x 16 7-685-663-79



The components identified by shading and mark **▲** are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque **▲** sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

REF. NO.	PART NO.	DESCRIPTION	REMARK
101	*A-1297-256-A	A BOARD, COMPLETE (PVM-2950QM(AEP))	
102	*A-1297-382-A	A BOARD, COMPLETE (PVM-2950QM(AUS))	102, 103
103	*A-1297-387-A	A BOARD, COMPLETE (PVM-2950Q)	102, 103
104	*A-1301-950-A	M BOARD, COMPLETE	
105	*A-1341-764-A	DX BOARD, COMPLETE	
106	▲ X-4032-250-1	TRANSFORMER ASSY, FLYBACK	
107	1-900-140-13	LEAD ASSY, FOCUS	
108	*A-1347-093-A	VC BOARD, COMPLETE	
109	*A-1372-005-A	H3 BOARD, COMPLETE	
110	*A-1311-363-A	G1 BOARD, COMPLETE (PVM-2950Q)	
111	*A-1311-365-A	G1 BOARD, COMPLETE (PVM-2950QM)	
112	*A-1316-181-A	G BOARD, COMPLETE (PVM-2950Q)	
113	*A-1316-182-A	G BOARD, COMPLETE (PVM-2950QM)	

REF. NO.	PART NO.	DESCRIPTION	REMARK
114	4-601-466-11	COVER, 3P INLET	
115	▲ 1-580-375-11	INLET 3P	
116	2-990-241-02	HOLDER (A), PLUG	
117	4-045-440-01	BRACKET, UJ	
118	*A-1373-468-A	UJ BOARD, COMPLETE	
119	*A-1394-545-A	UT BOARD, COMPLETE	
120	*A-1373-467-A	UA BOARD, COMPLETE	
121	4-045-439-01	BRACKET, UA	
122	*A-1135-787-A	B BOARD, COMPLETE	

SECTION 9
ELECTRICAL PARTS LIST

B

NOTE:

The components identified by shading and mark Δ are critical for safety.

Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

• Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- All resistors are in ohms
- F : nonflammable

When indicating parts by reference number, please include the board name.

CAPACITORS

• MF : μ F, PF : μ F

COILS

• MMH : mH, UH : μ H

• The components identified by Δ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

• There are some cases the reference number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
*A-1135-787-A B BOARD, COMPLETE *****				C348	1-163-129-00	CERAMIC CHIP 330PF	5% 50V
				C349	1-163-243-11	CERAMIC CHIP 47PF	5% 50V
				C350	1-163-243-11	CERAMIC CHIP 47PF	5% 50V
				C351	1-163-129-00	CERAMIC CHIP 330PF	5% 50V
<CAPACITOR>				C352	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C301	1-124-126-00	ELECT 47MF	20% 16V	C353	1-137-374-11	FILM 0.047MF	5% 50V
C302	1-163-035-00	CERAMIC CHIP 0.047MF	5% 50V	C354	1-137-374-11	FILM 0.047MF	5% 50V
C303	1-126-964-11	ELECT 10MF	20% 50V	C355	1-124-903-11	ELECT 1MF	20% 50V
C304	1-124-126-00	ELECT 47MF	20% 16V	C356	1-124-902-00	ELECT 0.47MF	20% 50V
C305	1-126-933-11	ELECT 100MF	20% 10V	C357	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C306	1-163-035-00	CERAMIC CHIP 0.047MF	5% 50V	C358	1-163-031-11	CERAMIC CHIP 0.01MF	5% 50V
C307	1-137-375-11	FILM 0.068MF	5% 50V	C359	1-163-237-11	CERAMIC CHIP 27PF	5% 50V
C308	1-124-903-11	ELECT 1MF	20% 50V	C360	1-163-031-11	CERAMIC CHIP 0.01MF	5% 50V
C309	1-163-139-00	CERAMIC CHIP 820PF	5% 50V	C361	1-130-483-00	MYLAR 0.01MF	5% 50V
C310	1-163-139-00	CERAMIC CHIP 820PF	5% 50V	C362	1-124-927-11	ELECT 4.7MF	20% 50V
C311	1-124-925-11	ELECT 2.2MF	20% 50V	C363	1-124-126-00	ELECT 47MF	20% 16V
C312	1-163-121-00	CERAMIC CHIP 150PF	5% 50V	C364	1-163-031-11	CERAMIC CHIP 0.01MF	5% 50V
C314	1-124-126-00	ELECT 47MF	20% 16V	C365	1-124-903-11	ELECT 1MF	20% 50V
C315	1-163-035-00	CERAMIC CHIP 0.047MF	5% 50V	C366	1-163-031-11	CERAMIC CHIP 0.01MF	5% 50V
C316	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	C367	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C317	1-163-035-00	CERAMIC CHIP 0.047MF	5% 50V	C368	1-163-031-11	CERAMIC CHIP 0.01MF	5% 50V
C318	1-124-126-00	ELECT 47MF	20% 16V	C369	1-163-031-11	CERAMIC CHIP 0.01MF	5% 50V
C319	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	C370	1-137-364-11	FILM 0.001MF	5% 50V
C320	1-130-483-00	MYLAR 0.01MF	5% 50V	C371	1-124-126-00	ELECT 47MF	20% 16V
C321	1-124-903-11	ELECT 1MF	20% 50V	C372	1-163-035-00	CERAMIC CHIP 0.047MF	5% 50V
C322	1-124-903-11	ELECT 1MF	20% 50V	C373	1-124-126-00	ELECT 47MF	20% 16V
C323	1-130-483-00	MYLAR 0.01MF	5% 50V	C374	1-163-235-11	CERAMIC CHIP 22PF	5% 50V
C324	1-124-903-11	ELECT 1MF	20% 50V	C379	1-137-399-11	FILM 0.1MF	5% 50V
C325	1-124-903-11	ELECT 1MF	20% 50V	C380	1-163-019-00	CERAMIC CHIP 0.0068MF	10% 50V
C326	1-137-368-11	FILM 0.0047MF	5% 50V	C381	1-126-964-11	ELECT 10MF	20% 50V
C327	1-163-121-00	CERAMIC CHIP 150PF	5% 50V	C382	1-124-126-00	ELECT 47MF	20% 16V
C328	1-137-378-11	FILM 0.22MF	5% 50V	C383	1-137-399-11	FILM 0.1MF	5% 50V
C329	1-124-126-00	ELECT 47MF	20% 16V	C384	1-163-113-00	CERAMIC CHIP 68PF	5% 50V
C330	1-137-372-11	FILM 0.022MF	5% 50V	C385	1-163-103-00	CERAMIC CHIP 27PF	5% 50V
C331	1-124-925-11	ELECT 2.2MF	20% 50V	C386	1-163-119-00	CERAMIC CHIP 120PF	5% 50V
C332	1-163-249-11	CERAMIC CHIP 82PF	5% 50V	C387	1-136-165-00	FILM 0.1MF	5% 50V
C333	1-137-365-11	FILM 0.0015MF	5% 50V	C388	1-130-489-00	FILM 0.033MF	5% 50V
C334	1-124-126-00	ELECT 47MF	20% 16V	C389	1-124-126-00	ELECT 47MF	20% 16V
C335	1-163-035-00	CERAMIC CHIP 0.047MF	5% 50V	C390	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C336	1-126-933-11	ELECT 100MF	20% 16V	C391	1-163-125-00	CERAMIC CHIP 220PF	5% 50V
C337	1-124-126-00	ELECT 47MF	20% 16V	C392	1-163-119-00	CERAMIC CHIP 120PF	5% 50V
C338	1-124-126-00	ELECT 47MF	20% 16V	C393	1-163-101-00	CERAMIC CHIP 22PF	5% 50V
C339	1-124-126-00	ELECT 47MF	20% 16V	C394	1-163-235-11	CERAMIC CHIP 22PF	5% 50V
C340	1-124-126-00	ELECT 47MF	20% 16V	C395	1-163-035-00	CERAMIC CHIP 0.047MF	5% 50V
C341	1-124-126-00	ELECT 47MF	20% 16V	C396	1-124-126-00	ELECT 47MF	20% 16V
C342	1-124-126-00	ELECT 47MF	20% 16V	C397	1-137-399-11	FILM 0.1MF	5% 50V
C343	1-124-126-00	ELECT 47MF	20% 16V	C398	1-137-399-11	FILM 0.1MF	5% 50V
C344	1-124-126-00	ELECT 47MF	20% 16V	C399	1-163-119-00	CERAMIC CHIP 120PF	5% 50V
C345	1-124-126-00	ELECT 47MF	20% 16V	C400	1-163-097-00	CERAMIC CHIP 15PF	5% 50V
C346	1-163-035-00	CERAMIC CHIP 0.047MF	5% 50V	C401	1-163-097-00	CERAMIC CHIP 15PF	5% 50V
C347	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C402	1-124-126-00	ELECT 47MF	20% 16V

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B

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
IC319	8-759-300-71	IC HD14053BFP					
IC320	8-759-300-71	IC HD14053BFP					
<COIL>							
L301	1-408-411-00	INDUCTOR	15UH				
L302	1-408-411-00	INDUCTOR	15UH				
L303	1-408-411-00	INDUCTOR	15UH				
L304	1-408-405-00	INDUCTOR	4.7UH				
L305	1-408-401-00	INDUCTOR	2.2UH				
L306	1-408-401-00	INDUCTOR	2.2UH				
L307	1-408-409-00	INDUCTOR	10UH				
L308	1-410-476-11	INDUCTOR	33UH				
L309	1-408-409-00	INDUCTOR	10UH				
L310	1-408-609-41	INDUCTOR	33UH				
L311	1-408-411-00	INDUCTOR	15UH				
<VARIABLE COIL>							
LV301	1-404-496-00	COIL					
LV302	1-404-496-00	COIL					
<TRANSISTOR>							
Q301	8-729-216-22	TRANSISTOR	2SA1162-G				
Q302	8-729-216-28	TRANSISTOR	2SC1623-L5L6				
Q303	8-729-216-22	TRANSISTOR	2SA1162-G				
Q304	8-729-120-28	TRANSISTOR	2SC1623-L5L6				
Q305	8-729-120-28	TRANSISTOR	2SC1623-L5L6				
Q306	8-729-120-28	TRANSISTOR	2SC1623-L5L6				
Q307	8-729-120-28	TRANSISTOR	2SC1623-L5L6				
Q308	8-729-120-28	TRANSISTOR	2SC1623-L5L6				
Q309	8-729-216-22	TRANSISTOR	2SA1162-G				
Q311	8-729-216-22	TRANSISTOR	2SA1162-G				
Q312	8-729-216-22	TRANSISTOR	2SA1162-G				
Q313	8-729-120-28	TRANSISTOR	2SC1623-L5L6				
Q314	8-729-216-22	TRANSISTOR	2SA1162-G				
Q315	8-729-216-22	TRANSISTOR	2SA1162-G				
Q316	8-729-120-28	TRANSISTOR	2SC1623-L5L6				
Q317	8-729-120-28	TRANSISTOR	2SC1623-L5L6				
Q318	8-729-120-28	TRANSISTOR	2SC1623-L5L6				
Q319	8-729-216-22	TRANSISTOR	2SA1162-G				
Q320	8-729-216-22	TRANSISTOR	2SA1162-G				
Q321	8-729-120-28	TRANSISTOR	2SC1623-L5L6				
Q322	8-729-120-28	TRANSISTOR	2SC1623-L5L6				
Q323	8-729-216-22	TRANSISTOR	2SA1162-G				
Q324	8-729-216-22	TRANSISTOR	2SA1162-G				
Q325	8-729-120-28	TRANSISTOR	2SC1623-L5L6				
Q326	8-729-120-28	TRANSISTOR	2SC1623-L5L6				
Q327	8-729-216-22	TRANSISTOR	2SA1162-G				
Q328	8-729-120-28	TRANSISTOR	2SC1623-L5L6				
Q329	8-729-120-28	TRANSISTOR	2SC1623-L5L6				
Q330	8-729-120-28	TRANSISTOR	2SC1623-L5L6				
Q331	8-729-120-28	TRANSISTOR	2SC1623-L5L6				
Q332	8-729-120-28	TRANSISTOR	2SC1623-L5L6				
Q333	8-729-216-22	TRANSISTOR	2SA1162-G				
Q334	8-729-120-28	TRANSISTOR	2SC1623-L5L6				
Q335	8-729-216-22	TRANSISTOR	2SA1162-G				
Q336	8-729-120-28	TRANSISTOR	2SC1623-L5L6				
Q337	8-729-120-28	TRANSISTOR	2SC1623-L5L6				
Q338	8-729-216-22	TRANSISTOR	2SA1162-G				
Q339	8-729-216-22	TRANSISTOR	2SA1162-G				
Q340	8-729-216-22	TRANSISTOR	2SA1162-G				
Q341	8-729-216-22	TRANSISTOR	2SA1162-G				
Q342	8-729-216-22	TRANSISTOR	2SA1162-G				
Q343	8-729-216-22	TRANSISTOR	2SA1162-G				
Q344	8-729-901-01	TRANSISTOR	DTC144EK				
Q345	8-729-901-01	TRANSISTOR	DTC144EK				
Q346	8-729-120-28	TRANSISTOR	2SC1623-L5L6				
Q347	8-729-901-01	TRANSISTOR	DTC144EK				
Q348	8-729-901-01	TRANSISTOR	DTC144EK				
Q349	8-729-901-01	TRANSISTOR	DTC144EK				
Q352	8-729-120-28	TRANSISTOR	2SC1623-L5L6				
Q354	8-729-901-01	TRANSISTOR	DTC144EK				
Q355	8-729-901-01	TRANSISTOR	DTC144EK				
Q356	8-729-216-22	TRANSISTOR	2SA1162-G				
Q357	8-729-216-22	TRANSISTOR	2SA1162-G				
Q358	8-729-901-01	TRANSISTOR	DTC144EK				
Q359	8-729-120-28	TRANSISTOR	2SC1623-L5L6				
Q361	8-729-901-01	TRANSISTOR	DTC144EK				
Q362	8-729-120-28	TRANSISTOR	2SC1623-L5L6				
Q363	8-729-901-01	TRANSISTOR	DTC144EK				
<RESISTOR>							
JR306	1-216-295-91	METAL GLAZE	0 5% 1/10W				
JR308	1-216-295-91	METAL GLAZE	0 5% 1/10W				
JR309	1-216-295-91	METAL GLAZE	0 5% 1/10W				
JR321	1-216-295-91	METAL GLAZE	0 5% 1/10W				
JR322	1-216-295-91	METAL GLAZE	0 5% 1/10W				
JR323	1-216-296-91	METAL GLAZE	0 5% 1/8W				
JR324	1-216-296-91	METAL GLAZE	0 5% 1/8W				
JR325	1-216-296-91	METAL GLAZE	0 5% 1/8W				
JR326	1-216-296-91	METAL GLAZE	0 5% 1/8W				
JR327	1-216-296-91	METAL GLAZE	0 5% 1/8W				
JR328	1-216-296-91	METAL GLAZE	0 5% 1/8W				
JR329	1-216-296-91	METAL GLAZE	0 5% 1/8W				
JR330	1-216-295-91	METAL GLAZE	0 5% 1/10W				
JR331	1-216-296-91	METAL GLAZE	0 5% 1/8W				
JR332	1-216-295-91	METAL GLAZE	0 5% 1/10W				
JR333	1-216-296-91	METAL GLAZE	0 5% 1/8W				
JR334	1-216-296-91	METAL GLAZE	0 5% 1/8W				
JR356	1-216-296-91	METAL GLAZE	0 5% 1/8W				
JR360	1-216-295-91	METAL GLAZE	0 5% 1/10W				
JR520	1-216-296-91	METAL GLAZE	0 5% 1/8W				
JR521	1-216-295-91	METAL GLAZE	0 5% 1/10W				
JR524	1-216-296-91	METAL GLAZE	0 5% 1/8W				
JR525	1-216-295-91	METAL GLAZE	0 5% 1/10W				
JR526	1-216-295-91	METAL GLAZE	0 5% 1/10W				
JR529	1-216-295-91	METAL GLAZE	0 5% 1/10W				
R301	1-216-049-00	METAL GLAZE	1K 5% 1/10W				
R302	1-216-049-00	METAL GLAZE	1K 5% 1/10W				
R303	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W				
R304	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W				
R305	1-216-647-11	METAL CHIP	680 0.50% 1/10W				
R306	1-216-647-11	METAL CHIP	680 0.50% 1/10W				
R307	1-216-025-00	METAL GLAZE	100 5% 1/10W				
R308	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W				
R309	1-216-043-00	METAL GLAZE	560 5% 1/10W				
R310	1-216-105-00	METAL GLAZE	220K 5% 1/10W				
R311	1-216-081-00	METAL GLAZE	22K 5% 1/10W				
R312	1-216-049-00	METAL GLAZE	1K 5% 1/10W				
R313	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W				
R314	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W				
R315	1-216-049-00	METAL GLAZE	1K 5% 1/10W				
R316	1-216-075-00	METAL GLAZE	12K 5% 1/10W				
R317	1-216-049-00	METAL GLAZE	1K 5% 1/10W				

B

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R318	1-216-133-00	METAL GLAZE	3.3M 5% 1/10W	R384	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R319	1-216-045-00	METAL GLAZE	680 5% 1/10W	R385	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R320	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R386	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R321	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R387	1-216-689-11	METAL GLAZE	39K 5% 1/10W
R322	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	R388	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R323	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R389	1-216-041-00	METAL GLAZE	470 5% 1/10W
R324	1-216-079-00	METAL GLAZE	18K 5% 1/10W	R390	1-216-095-00	METAL GLAZE	82K 5% 1/10W
R325	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R391	1-216-103-91	METAL GLAZE	180K 5% 1/10W
R326	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R392	1-216-679-11	METAL CHIP	15K 0.50% 1/10W
R327	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	R393	1-216-667-11	METAL CHIP	4.7K 0.50% 1/10W
R328	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	R394	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R329	1-216-041-00	METAL GLAZE	470 5% 1/10W	R395	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R330	1-216-045-00	METAL GLAZE	680 5% 1/10W	R396	1-216-133-00	METAL GLAZE	3.3M 5% 1/10W
R331	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R397	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W
R332	1-216-115-00	METAL GLAZE	560K 5% 1/10W	R398	1-216-093-00	METAL GLAZE	68K 5% 1/10W
R334	1-216-033-00	METAL GLAZE	220 5% 1/10W	R399	1-216-095-00	METAL GLAZE	82K 5% 1/10W
R335	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W	R400	1-216-109-00	METAL GLAZE	330K 5% 1/10W
R336	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R401	1-216-105-00	METAL GLAZE	220K 5% 1/10W
R337	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	R402	1-216-101-00	METAL GLAZE	150K 5% 1/10W
R339	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R403	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R340	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R404	1-216-101-00	METAL GLAZE	150K 5% 1/10W
R341	1-216-091-00	METAL GLAZE	56K 5% 1/10W	R405	1-216-101-00	METAL GLAZE	150K 5% 1/10W
R342	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R406	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R343	1-216-103-91	METAL GLAZE	180K 5% 1/10W	R407	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R344	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R408	1-216-077-00	METAL GLAZE	15K 5% 1/10W
R345	1-216-103-91	METAL GLAZE	180K 5% 1/10W	R409	1-216-029-00	METAL GLAZE	150 5% 1/10W
R346	1-216-107-00	METAL GLAZE	270K 5% 1/10W	R410	1-216-029-00	METAL GLAZE	150 5% 1/10W
R347	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R411	1-216-041-00	METAL GLAZE	470 5% 1/10W
R348	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R412	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R349	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R413	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R350	1-216-075-00	METAL GLAZE	12K 5% 1/10W	R414	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R351	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R415	1-216-045-00	METAL GLAZE	680 5% 1/10W
R352	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R416	1-216-043-00	METAL GLAZE	560 5% 1/10W
R353	1-216-033-00	METAL GLAZE	220 5% 1/10W	R417	1-216-037-00	METAL GLAZE	330 5% 1/10W
R354	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R418	1-216-043-00	METAL GLAZE	560 5% 1/10W
R355	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R419	1-216-037-00	METAL GLAZE	330 5% 1/10W
R356	1-216-033-00	METAL GLAZE	220 5% 1/10W	R420	1-216-047-00	METAL GLAZE	820 5% 1/10W
R357	1-216-033-00	METAL GLAZE	220 5% 1/10W	R421	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R358	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R422	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R359	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R423	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W
R360	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R424	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R361	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R425	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R362	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R426	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R363	1-216-093-00	METAL GLAZE	68K 5% 1/10W	R427	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W
R364	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	R428	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R365	1-216-662-11	METAL CHIP	3K 0.50% 1/10W	R429	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W
R366	1-216-017-00	METAL GLAZE	47 5% 1/10W	R430	1-216-039-00	METAL GLAZE	390 5% 1/10W
R367	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R431	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W
R368	1-216-041-00	METAL GLAZE	470 5% 1/10W	R432	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R369	1-216-041-00	METAL GLAZE	470 5% 1/10W	R433	1-216-031-00	METAL GLAZE	180 5% 1/10W
R370	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R434	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R371	1-216-295-91	METAL GLAZE	0 5% 1/10W	R435	1-216-039-00	METAL GLAZE	390 5% 1/10W
R372	1-216-025-00	METAL GLAZE	100 5% 1/10W	R437	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R373	1-216-025-00	METAL GLAZE	100 5% 1/10W	R438	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W
R374	1-216-295-91	METAL GLAZE	0 5% 1/10W	R439	1-216-029-00	METAL GLAZE	150 5% 1/10W
R375	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R441	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R376	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R442	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R377	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W	R443	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R378	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	R445	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R379	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R446	1-216-043-00	METAL GLAZE	560 5% 1/10W
R380	1-216-041-00	METAL GLAZE	470 5% 1/10W	R447	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R381	1-216-041-00	METAL GLAZE	470 5% 1/10W	R448	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W
R382	1-216-105-00	METAL GLAZE	220K 5% 1/10W	R449	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R383	1-216-113-00	METAL GLAZE	470K 5% 1/10W				

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R450	1-216-049-00	METAL GLAZE 1K 5% 1/10W		R1322	1-216-077-00	METAL GLAZE 15K 5% 1/10W	
R451	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R1323	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
R452	1-216-222-00	METAL GLAZE 10K 5% 1/8W		R1324	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R454	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W		R1327	1-216-077-00	METAL GLAZE 15K 5% 1/10W	
R455	1-216-651-11	METAL CHIP 1K 0.50% 1/10W		R1328	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
R456	1-216-651-11	METAL CHIP 1K 0.50% 1/10W		R1332	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
R457	1-216-047-00	METAL GLAZE 820 5% 1/10W		R1333	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R458	1-216-043-00	METAL GLAZE 560 5% 1/10W		R1334	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R459	1-216-049-00	METAL GLAZE 1K 5% 1/10W		R1335	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R460	1-216-083-00	METAL GLAZE 27K 5% 1/10W		R1336	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R461	1-216-047-00	METAL GLAZE 820 5% 1/10W		R1337	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R462	1-216-075-00	METAL GLAZE 12K 5% 1/10W		R1338	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R463	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W		R1339	1-216-689-11	METAL GLAZE 39K 5% 1/10W	
R464	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W		R1340	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
R465	1-216-081-00	METAL GLAZE 22K 5% 1/10W		R1341	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R467	1-216-295-91	METAL GLAZE 0 5% 1/10W		R1342	1-216-095-00	METAL GLAZE 82K 5% 1/10W	
R468	1-216-077-00	METAL GLAZE 15K 5% 1/10W		R1343	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R470	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W		R1344	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R471	1-216-025-00	METAL GLAZE 100 5% 1/10W		R1348	1-216-029-00	METAL GLAZE 150 5% 1/10W	
R472	1-216-063-00	METAL GLAZE 3.9K 5% 1/10W		R1349	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
R473	1-216-025-00	METAL GLAZE 100 5% 1/10W		R1350	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
R474	1-216-077-00	METAL GLAZE 15K 5% 1/10W		R1351	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
R476	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W		R1352	1-216-103-91	METAL GLAZE 180K 5% 1/10W	
R477	1-216-025-00	METAL GLAZE 100 5% 1/10W		R1353	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R478	1-216-077-00	METAL GLAZE 15K 5% 1/10W		R1354	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R480	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W		R1355	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R481	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W		R1356	1-216-079-00	METAL GLAZE 18K 5% 1/10W	
R482	1-216-025-00	METAL GLAZE 100 5% 1/10W		R1359	1-216-093-00	METAL GLAZE 68K 5% 1/10W	
R483	1-216-063-00	METAL GLAZE 3.9K 5% 1/10W		R1360	1-216-017-00	METAL GLAZE 47 5% 1/10W	
R484	1-216-025-00	METAL GLAZE 100 5% 1/10W		R1361	1-216-063-00	METAL GLAZE 3.9K 5% 1/10W	
R485	1-216-025-00	METAL GLAZE 100 5% 1/10W		R1362	1-216-063-00	METAL GLAZE 3.9K 5% 1/10W	
R486	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W		R1363	1-216-017-00	METAL GLAZE 47 5% 1/10W	
R487	1-216-073-00	METAL GLAZE 10K 5% 1/10W		R1364	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R488	1-216-077-00	METAL GLAZE 15K 5% 1/10W		R1365	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R489	1-216-025-00	METAL GLAZE 100 5% 1/10W		R1366	1-216-083-00	METAL GLAZE 27K 5% 1/10W	
R490	1-216-063-00	METAL GLAZE 3.9K 5% 1/10W		R1367	1-216-240-00	METAL GLAZE 56K 5% 1/8W	
R491	1-216-025-00	METAL GLAZE 100 5% 1/10W		<VARIABLE RESISTOR>			
R492	1-216-073-00	METAL GLAZE 10K 5% 1/10W		RV301	1-241-763-11	RES, ADJ, CARBON 4.7K	
R493	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W		RV302	1-241-628-11	RES, ADJ, CARBON 2.2K	
R494	1-216-073-00	METAL GLAZE 10K 5% 1/10W		RV305	1-241-763-11	RES, ADJ, CARBON 4.7K	
R495	1-216-073-00	METAL GLAZE 10K 5% 1/10W		RV306	1-241-765-11	RES, ADJ, CARBON 22K	
R496	1-216-049-00	METAL GLAZE 1K 5% 1/10W		RV307	1-238-019-11	RES, ADJ, CARBON 47K	
R497	1-216-295-91	METAL GLAZE 0 5% 1/10W		RV308	1-238-019-11	RES, ADJ, CARBON 47K	
R498	1-216-073-00	METAL GLAZE 10K 5% 1/10W		RV309	1-238-019-11	RES, ADJ, CARBON 47K	
R499	1-216-073-00	METAL GLAZE 10K 5% 1/10W		RV310	1-241-630-11	RES, ADJ, CARBON 10K	
R1300	1-216-073-00	METAL GLAZE 10K 5% 1/10W		RV311	1-241-630-11	RES, ADJ, CARBON 10K	
R1301	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W		RV312	1-241-630-11	RES, ADJ, CARBON 10K	
R1302	1-216-037-00	METAL GLAZE 330 5% 1/10W		RV313	1-241-760-11	RES, ADJ, CARBON 470	
R1303	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W		RV314	1-241-760-11	RES, ADJ, CARBON 470	
R1304	1-216-049-00	METAL GLAZE 1K 5% 1/10W		<TRANSFORMER>			
R1305	1-216-039-00	METAL GLAZE 390 5% 1/10W		T301	1-404-584-11	COIL	
R1306	1-216-063-00	METAL GLAZE 3.9K 5% 1/10W		<CRYSTAL>			
R1307	1-216-025-00	METAL GLAZE 100 5% 1/10W		X301	1-527-722-00	OSCILLATOR, CRYSTAL	
R1308	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W		X302	1-579-057-11	VIBRATOR, CRYSTAL	
R1309	1-216-073-00	METAL GLAZE 10K 5% 1/10W		*****			
R1310	1-216-073-00	METAL GLAZE 10K 5% 1/10W					
R1311	1-215-413-00	METAL 470 1% 1/4W					
R1312	1-216-659-11	METAL CHIP 2.2K 0.50% 1/10W					
R1313	1-216-073-00	METAL GLAZE 10K 5% 1/10W					
R1314	1-216-075-00	METAL GLAZE 12K 5% 1/10W					
R1315	1-216-033-00	METAL GLAZE 220 5% 1/10W					
R1316	1-216-033-00	METAL GLAZE 220 5% 1/10W					
R1320	1-216-073-00	METAL GLAZE 10K 5% 1/10W					
R1321	1-216-079-00	METAL GLAZE 18K 5% 1/10W					

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

A

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
*A-1297-256-A	A BOARD, COMPLETE (PVM-2950QM(AEP))	*****		C574	1-107-650-11	ELECT	3.3MF 20% 250V
*A-1297-382-A	A BOARD, COMPLETE (PVM-2950QM(AUS))	*****		C575	1-102-038-00	CERAMIC	0.001MF 500V
*A-1297-387-A	A BOARD, COMPLETE (PVM-2950Q)	*****		C576	1-124-797-11	ELECT	0.47MF 20% 160V
	(INCLUDIG M,DX BOARD)			C577	1-123-950-00	ELECT	47MF 20% 250V
4-382-854-01	SCREW (M3X8), P, SW (+)			C578	1-123-024-21	ELECT	33MF 160V
	<CAPACITOR>			C579	1-104-664-11	ELECT	47MF 20% 25V
C517	1-106-391-12	MYLAR	0.1MF 10% 200V	C581	1-130-491-00	MYLAR	0.047MF 5% 50V
C518	1-128-577-11	ELECT	0.47MF 20% 100V	C582	1-126-803-11	ELECT	47MF 20% 50V
C519	1-102-110-00	CERAMIC	220PF 10% 50V	C583	1-102-114-00	CERAMIC	470PF 10% 50V
C520	1-162-318-11	CERAMIC	0.001MF 10% 500V	C584	1-136-171-00	FILM	0.33MF 5% 50V
C521	1-162-117-00	CERAMIC	100PF 10% 500V	C585	1-128-528-11	ELECT	470MF 20% 25V
C522	Δ 1-162-116-00	CERAMIC	680PF 10% 2KV	C586	1-126-969-11	ELECT	220MF 20% 50V
C523	Δ 1-137-604-11	FILM	0.022MF 2% 2KV	C590	1-130-471-00	MYLAR	0.001MF 5% 50V
C524	Δ 1-162-116-00	CERAMIC	680PF 10% 2KV	C591	1-130-467-00	MYLAR	470PF 5% 50V
C525	Δ 1-137-515-11	FILM	0.056MF 3% 400V	C593	1-104-664-11	ELECT	47MF 20% 25V
C526	1-137-114-11	FILM	0.68MF 5% 200V	C594	1-104-664-11	ELECT	47MF 20% 25V
C527	1-106-343-00	MYLAR	0.001MF 10% 100V	C595	1-104-664-11	ELECT	47MF 20% 25V
C528	1-136-105-00	FILM	0.33MF 5% 200V	C596	1-124-126-00	ELECT	47MF 20% 16V
C529	1-104-709-11	ELECT	4.7MF 0 160V	C597	1-109-889-11	ELECT	1MF 20% 50V
C530	1-137-516-11	FILM	1.2MF 5% 200V	C598	1-124-126-00	ELECT	47MF 20% 16V
C531	1-137-116-11	FILM	1MF 5% 200V	C599	1-106-222-00	MYLAR	0.12MF 10% 100V
C532	1-107-652-11	ELECT	10MF 20% 250V	C600	1-126-157-11	ELECT	10MF 20% 16V
C533	Δ 1-162-116-00	CERAMIC	680PF 10% 2KV	C601	1-126-967-11	ELECT	47MF 20% 50V
C535	1-136-165-00	FILM	0.1MF 5% 50V	C602	1-126-157-11	ELECT	10MF 20% 16V
C536	1-124-927-11	ELECT	4.7MF 20% 50V	C603	1-126-157-11	ELECT	10MF 20% 16V
C537	1-106-355-12	MYLAR	0.0033MF 10% 200V	C604	1-126-967-11	ELECT	47MF 20% 50V
C538	1-130-487-00	MYLAR	0.022MF 5% 50V	C605	1-126-967-11	ELECT	47MF 20% 50V
C539	1-136-173-00	FILM	0.47MF 5% 50V	C606	1-124-126-00	ELECT	47MF 20% 16V
C542	1-130-471-00	FILM	0.001MF 5% 50V	C607	1-126-953-11	ELECT	2200MF 20% 35V
C543	1-136-161-00	FILM	0.047MF 5% 50V	C608	1-126-952-11	ELECT	1000MF 20% 35V
C545	1-126-964-11	ELECT	10MF 20% 50V	C609	1-126-953-11	ELECT	2200MF 20% 35V
C546	1-130-471-00	MYLAR	0.001MF 5% 50V	C610	1-136-165-00	FILM	0.1MF 5% 50V
C547	1-106-343-00	FILM	0.001MF 5% 100V	C611	1-136-165-00	FILM	0.1MF 5% 50V
C548	1-124-902-00	ELECT	0.47MF 20% 50V	C612	1-126-157-11	ELECT	10MF 20% 16V
C549	1-130-471-00	MYLAR	0.001MF 5% 50V	C613	1-126-953-11	ELECT	2200MF 20% 35V
C550	1-104-664-11	ELECT	47MF 20% 25V	C614	1-124-126-00	ELECT	47MF 20% 16V
C551	1-104-664-11	ELECT	47MF 20% 25V	C615	1-136-177-00	FILM	1MF 5% 50V
C552	1-126-964-11	ELECT	10MF 20% 50V	C617	1-107-910-11	ELECT	100MF 20% 50V
C553	1-136-161-00	FILM	0.047MF 5% 50V	C618	1-130-495-00	MYLAR	0.1MF 5% 50V
C554	1-136-161-00	FILM	0.047MF 5% 50V	C619	1-130-495-00	MYLAR	0.1MF 5% 50V
C556	1-126-964-11	ELECT	10MF 20% 50V	C620	1-124-598-11	ELECT	22MF 20% 25V
C557	1-136-169-00	FILM	0.22MF 5% 50V	C621	1-124-598-11	ELECT	22MF 20% 25V
C558	1-129-718-00	FILM	0.022MF 5% 630V	C622	1-126-934-11	ELECT	220MF 20% 16V
C559	1-106-387-00	MYLAR	0.068MF 10% 200V	C630	1-126-964-11	ELECT	10MF 20% 50V
C560	1-129-898-00	FILM	0.0022MF 5% 630V	C631	1-104-665-11	ELECT	100MF 20% 25V
C561	1-102-244-00	CERAMIC	220PF 10% 500V	C680	1-162-117-00	CERAMIC	100PF 10% 500V
C562	1-129-702-00	FILM	0.001MF 10% 630V	C681	1-102-074-00	CERAMIC	0.001MF 10% 50V
C563	1-102-228-00	CERAMIC	470PF 10% 500V	C682	1-136-165-00	FILM	0.1MF 5% 50V
C564	1-102-228-00	CERAMIC	470PF 10% 500V	C683	1-124-234-00	ELECT	22MF 20% 16V
C565	1-126-941-11	ELECT	470MF 20% 25V	C684	1-102-119-00	CERAMIC	0.0015MF 10% 50V
C566	1-128-528-11	ELECT	470MF 20% 25V	C801	1-124-126-00	ELECT	47MF 20% 16V
C567	1-126-925-11	ELECT	470MF 20% 10V	C802	1-124-126-00	ELECT	47MF 20% 16V
C568	1-102-244-00	CERAMIC	220PF 10% 500V	C804	1-136-153-00	FILM	0.01MF 5% 50V
C569	1-162-114-00	CERAMIC	0.0047MF 2KV	C805	1-136-165-00	FILM	0.1MF 5% 50V
C570	1-162-116-00	CERAMIC	680PF 10% 2KV	C806	1-136-165-00	FILM	0.1MF 5% 50V
C571	1-162-116-00	CERAMIC	680PF 10% 2KV	C807	1-126-952-11	ELECT	1000MF 20% 16V
C572	1-106-359-00	MYLAR	0.0047MF 10% 200V	C809	1-136-104-00	FILM	0.16MF 5% 200V
C573	1-126-923-11	ELECT	220MF 20% 10V	C810	1-136-177-00	FILM	1MF 5% 50V
				C811	1-106-343-00	MYLAR	0.001MF 10% 200V
				C812	1-126-964-11	ELECT	10MF 20% 50V
				C813	1-136-161-00	FILM	0.047MF 5% 50V
				C814	1-126-964-11	ELECT	10MF 20% 50V
				C815	1-126-964-11	ELECT	10MF 20% 50V

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK	
C816	1-124-234-00	ELECT	22MF ³	20%	16V	CN509	1-573-297-11	CONNECTOR, BOARD TO BOARD 18P
C817	1-124-927-11	ELECT	4.7MF	20%	50V	CN510	1-573-297-11	CONNECTOR, BOARD TO BOARD 18P
C818	1-124-126-00	ELECT	47MF	20%	16V	CN511	1-573-297-11	CONNECTOR, BOARD TO BOARD 18P
C819	1-136-165-00	FILM	0.1MF	5%	50V	CN512	1-573-297-11	CONNECTOR, BOARD TO BOARD 18P
C820	1-126-935-11	ELECT	470MF	20%	16V	CN513	*1-564-508-11	PLUG, CONNECTOR 5P
C822	1-126-933-11	ELECT	100MF	20%	10V	CN514	*1-564-507-11	PLUG, CONNECTOR 4P
C823	1-106-371-00	MYLAR	0.015MF	10%	100V	CN515	*1-564-508-11	PLUG, CONNECTOR 5P
C901	1-136-173-00	FILM	0.47MF	5%	50V	CN520	*1-564-512-11	PLUG, CONNECTOR 9P
C902	1-126-964-11	ELECT	10MF	20%	50V	CN530	1-573-296-11	CONNECTOR, BOARD TO BOARD 10P
C903	1-136-169-00	FILM	0.22MF	5%	50V	CN1804	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P
C904	1-130-471-00	MYLAR	0.001MF	5%	50V	CN1805	1-573-297-11	CONNECTOR, BOARD TO BOARD 18P
C905	1-126-964-11	ELECT	10MF	20%	50V	DY1	*1-580-798-11	CONNECTOR PIN (DY) 6P
C906	1-124-798-11	ELECT	1MF	20%	160V	DY-2	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P
C907	1-124-902-00	ELECT	0.47MF	20%	50V			
C908	1-102-112-00	CERAMIC	330PF	10%	50V			
C910	1-136-103-00	FILM	0.1MF	5%	200V			
C911	1-136-165-00	FILM	0.1MF	5%	50V			
C914	1-106-367-00	MYLAR	0.01MF	10%	100V			
C915	1-124-903-11	ELECT	1MF	20%	50V			
C917	1-130-471-00	MYLAR	0.001MF	5%	50V			
C918	1-102-074-00	CERAMIC	0.001MF	10%	50V			
C920	1-136-601-11	FILM	0.01MF	5%	630V			
C923	1-130-471-00	MYLAR	0.001MF	5%	50V			
C925	1-126-964-11	ELECT	10MF	20%	50V			
C926	1-136-165-00	FILM	0.1MF	5%	50V			
C927	1-136-171-00	FILM	0.33MF	5%	50V			
C928	1-126-964-11	ELECT	10MF	20%	50V			
C930	1-136-153-00	FILM	0.01MF	5%	50V			
C932	1-130-475-00	MYLAR	0.0022MF	5%	50V			
C1601	1-102-106-00	CERAMIC	100PF	10%	50V			
C1602	1-102-114-00	CERAMIC	470PF	10%	50V			
C1603	1-130-481-00	MYLAR	0.0068MF	5%	50V			
C1604	1-124-903-11	ELECT	1MF	20%	50V			
C1605	1-124-925-11	ELECT	2.2MF	20%	50V			
C1606	1-130-483-00	MYLAR	0.01MF	5%	50V			
C1607	1-124-903-11	ELECT	1MF	20%	50V			
C1608	1-130-479-00	MYLAR	0.0047MF	5%	50V			
C1610	1-130-499-00	MYLAR	0.22MF	5%	50V			
C1611	1-130-481-00	MYLAR	0.0068MF	5%	50V			
C1612	1-124-927-11	ELECT	4.7MF	20%	50V			
C1613	1-130-475-00	MYLAR	0.0022MF	5%	50V			
C1614	1-126-964-11	ELECT	10MF	20%	50V			
C1620	1-136-161-00	FILM	0.047MF	5%	50V			
C1621	1-102-110-00	CERAMIC	220PF	10%	50V			
C1627	1-136-173-00	FILM	0.47MF	5%	50V			
C1670	1-126-964-11	ELECT	10MF	20%	50V			
C1671	1-101-361-00	CERAMIC	150PF	5%	50V			
C1672	1-101-361-00	CERAMIC	150PF	5%	50V			
C1673	1-101-361-00	CERAMIC	150PF	5%	50V			
C1674	1-124-925-11	ELECT	2.2MF	20%	50V			
C1675	1-136-153-00	FILM	0.01MF	5%	50V			
C1676	1-136-169-00	FILM	0.22MF	5%	50V			
C1677	1-126-964-11	ELECT	10MF	20%	50V			
C1678	1-102-110-00	CERAMIC	220PF	10%	50V			
C1680	1-124-925-11	ELECT	2.2MF	20%	50V			
C1681	1-124-126-00	ELECT	47MF	20%	16V			
C1813	1-136-756-11	FILM	0.24MF	5%	200V			
C1825	1-106-391-12	MYLAR	0.1MF	10%	200V			
<CONNECTOR>								
CN501	*1-573-986-11	PIN, CONNECTOR (PC BOARD) 5P						
CN507	*1-573-964-11	PIN, CONNECTOR (PC BOARD) 6P						
CN508	1-573-297-11	CONNECTOR, BOARD TO BOARD 18P						
<DIODE>								
D505	8-719-110-78	DIODE RD33ESB2						
D506	8-719-911-19	DIODE 1SS119						
D507	8-719-911-19	DIODE 1SS119						
D508	8-719-911-19	DIODE 1SS119						
D509	8-719-970-87	DIODE ERA38-06						
D510	8-719-302-43	DIODE EL1Z						
D511	8-719-300-33	DIODE RU-3AM						
D512	8-719-979-85	DIODE EGP20G						
D513	8-719-312-72	DIODE RU30A						
D515	8-719-302-43	DIODE EL1Z						
D516	8-719-018-82	DIODE RGP02-20EL-6394						
D517	8-719-110-03	DIODE RD7.5ESB2						
D519	8-719-911-19	DIODE 1SS119						
D520	8-719-908-03	DIODE GP08D						
D521	8-719-110-78	DIODE RD33ESB2						
D522	8-719-911-19	DIODE 1SS119						
D523	8-719-911-19	DIODE 1SS119						
D524	8-719-028-72	DIODE RGP02-17EL-6433						
D525	8-719-109-88	DIODE RD5.6ESB1						
D526	8-719-109-93	DIODE RD6.2ESB2						
D530	8-719-510-48	DIODE D1N20R						
D531	8-719-510-48	DIODE D1N20R						
D532	8-719-110-90	DIODE RD39ESB4						
D533	8-719-911-19	DIODE 1SS119						
D534	8-719-911-19	DIODE 1SS119						
D535	8-719-911-19	DIODE 1SS119						
D550	8-719-911-19	DIODE 1SS119						
D551	8-719-981-50	DIODE RB-100A						
D650	8-719-109-88	DIODE RD5.6ESB1						
D652	8-719-911-19	DIODE 1SS119						
D653	8-719-911-19	DIODE 1SS119						
D654	8-719-109-54	DIODE RD2.2ESB2						
D655	8-719-911-19	DIODE 1SS119						
D680	8-719-109-88	DIODE RD5.6ESB1						
D681	8-719-911-19	DIODE 1SS119						
D682	8-719-911-19	DIODE 1SS119 (PVM-2950Q/2950QM(AUS))						
D683	8-719-911-19	DIODE 1SS119 (PVM-2950Q/2950QM(AUS))						
D684	8-719-911-19	DIODE 1SS119						
D801	8-719-987-87	DIODE ERA85-009						
D804	8-719-911-19	DIODE 1SS119						
D805	8-719-801-35	THYRISTOR SHOR3D42						
D806	8-719-980-78	DIODE ERA83-006						
D807	8-719-980-78	DIODE ERA83-006						
D808	8-719-911-19	DIODE 1SS119						
D809	8-719-911-19	DIODE 1SS119						
D810	8-719-911-19	DIODE 1SS119						
D811	8-719-302-43	DIODE EL1Z						

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

PVM-2950Q/2950QM
RM-854

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
D812	8-719-911-19	DIODE 1SS119		L1801	1-459-104-00	COIL, DUST CORE	
D813	8-719-109-88	DIODE RD5.6ESB1		L1802	1-459-390-00	COIL (WITH CORE)	
D814	8-719-121-24	DIODE RD9.1ESL					
D816	8-719-911-19	DIODE 1SS119				<TRANSISTOR>	
D817	8-719-911-19	DIODE 1SS119					
D901	8-719-911-19	DIODE 1SS119		Q504	8-729-119-80	TRANSISTOR 2SC2688-LK	
D902	8-719-109-96	DIODE RD6.8ESB1		Q505	8-729-011-07	TRANSISTOR 2SC4763(LBSONY)	
D903	8-719-302-43	DIODE EL1Z			4-382-854-01	SCREW (M3X8), P, SW (+); Q505	
D906	8-719-980-78	DIODE ERA83-006		Q506	8-729-019-71	TRANSISTOR 2SK1916-53-F50	
D907	8-719-911-19	DIODE 1SS119			4-382-854-01	SCREW (M3X8), P, SW (+); Q506	
D908	8-719-911-19	DIODE 1SS119		Q508	8-729-140-96	TRANSISTOR 2SD774-34	
D1601	8-719-911-19	DIODE 1SS119		Q509	8-729-140-93	TRANSISTOR 2SB733-34	
D1670	8-719-109-84	DIODE RD5.1ESB1		Q510	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D1671	8-719-911-19	DIODE 1SS119		Q511	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D1672	8-719-109-84	DIODE RD5.1ESB1		Q512	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D1810	8-719-908-03	DIODE GP08D		Q513	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D1811	8-719-908-03	DIODE GP08D		Q514	8-729-119-78	TRANSISTOR 2SC2785-HFE	
		<FERRITE BEAD>		Q515	8-729-119-76	TRANSISTOR 2SA1175-HFE	
FB501	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		Q516	8-729-011-06	TRANSISTOR 2SC3840K	
		<IC>		Q517	8-729-119-76	TRANSISTOR 2SA1175-HFE	
IC501	1-809-845-11	MODULE, PROTECTOR PM-30		Q518	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC502	8-759-103-93	IC UPC393C		Q519	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC503	8-759-103-93	IC UPC393C		Q520	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC504	8-759-192-71	IC STV9379		Q521	8-729-119-78	TRANSISTOR 2SC2785-HFE	
	4-382-854-01	SCREW (M3X8), P, SW (+); IC504		Q522	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC505	8-759-168-24	IC TA8200AH		Q523	8-729-119-76	TRANSISTOR 2SA1175-HFE	
IC506	8-759-231-58	IC TA7812S		Q530	8-729-119-76	TRANSISTOR 2SA1175-HFE	
IC507	8-759-231-58	IC TA7812S		Q531	8-729-119-76	TRANSISTOR 2SA1175-HFE	
IC508	8-759-231-58	IC TA7812S		Q532	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC510	8-759-231-53	IC TA7805S		Q801	8-729-900-89	TRANSISTOR DTC144ES	
IC511	8-749-920-58	IC SI-3090CA		Q802	8-729-119-76	TRANSISTOR 2SA1175-HFE	
IC512	1-809-054-11	MODULE, PROTECTOR PM-21		Q803	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC802	8-752-052-88	IC CXA1526P		Q804	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC803	8-759-135-80	IC UPC358C		Q805	8-729-140-93	TRANSISTOR 2SB733-34	
IC901	8-759-135-80	IC UPC358C		Q806	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC903	8-759-103-93	IC UPC393C		Q807	8-729-140-97	TRANSISTOR 2SB734-34	
IC1601	8-759-083-85	IC LA7856A		Q808	8-729-119-76	TRANSISTOR 2SA1175-HFE	
IC1603	8-759-135-80	IC UPC358C		Q809	8-729-019-01	TRANSISTOR 2SD2394-EF	
IC1604	8-759-135-80	IC UPC358C		Q810	8-729-140-96	TRANSISTOR 2SD774-34	
IC1605	8-759-902-21	IC SN74LS221N		Q811	8-729-119-78	TRANSISTOR 2SC2785-HFE	
		<COIL>		Q901	8-729-119-76	TRANSISTOR 2SA1175-HFE	
L501	1-402-830-11	COIL, CHOKE 68UH		Q902	8-729-119-78	TRANSISTOR 2SC2785-HFE	
L502	1-412-549-31	INDUCTOR 1MMH		Q903	8-729-119-78	TRANSISTOR 2SC2785-HFE	
L503	Δ 1-460-197-11	COIL, FERRITE (PMC)		Q904	8-729-119-76	TRANSISTOR 2SA1175-HFE	
L504	1-459-123-00	COIL, DUST CORE (PAC)		Q905	8-729-119-76	TRANSISTOR 2SA1175-HFE	
L506	1-459-104-00	COIL, DUST CORE		Q906	8-729-119-80	TRANSISTOR 2SC2688-LK	
L508	1-412-519-11	INDUCTOR 3.3UH		Q907	8-729-119-80	TRANSISTOR 2SC2688-LK	
L509	1-412-519-11	INDUCTOR 3.3UH		Q908	8-729-140-97	TRANSISTOR 2SB734-34	
L510	1-412-531-31	INDUCTOR 33UH		Q909	8-729-119-78	TRANSISTOR 2SC2785-HFE	
L511	1-410-071-11	INDUCTOR 10MMH		Q910	8-729-119-78	TRANSISTOR 2SC2785-HFE	
L512	1-412-552-31	INDUCTOR 2.2MMH		Q911	8-729-119-78	TRANSISTOR 2SC2785-HFE	
L513	1-412-531-31	INDUCTOR 33UH		Q912	8-729-119-76	TRANSISTOR 2SA1175-HFE	
L514	1-412-531-31	INDUCTOR 33UH		Q913	8-729-931-45	TRANSISTOR 1RF614	
L520	1-412-531-31	INDUCTOR 33UH		Q914	8-729-119-76	TRANSISTOR 2SA1175-HFE	
L801	1-459-592-11	COIL (WITH CORE) (PMC)		Q1604	8-729-119-78	TRANSISTOR 2SC2785-HFE	
L802	1-459-087-00	COIL, HCC DUST CORE 3.9MMH		Q1605	8-729-119-78	TRANSISTOR 2SC2785-HFE	
L901	1-410-093-11	INDUCTOR 33MMH		Q1606	8-729-119-78	TRANSISTOR 2SC2785-HFE	
L902	1-459-075-00	COIL, DYNAMIC CONVERSION CHOKE		Q1670	8-729-119-78	TRANSISTOR 2SC2785-HFE	
				Q1671	8-729-119-76	TRANSISTOR 2SA1175-HFE	
				Q1672	8-729-119-76	TRANSISTOR 2SA1175-HFE	
				Q1673	8-729-900-89	TRANSISTOR DTC144ES	
				Q1674	8-729-900-89	TRANSISTOR DTC144ES	
				Q1675	8-729-119-76	TRANSISTOR 2SA1175-HFE	
				Q1676	8-729-119-78	TRANSISTOR 2SC2785-HFE	

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
<RESISTOR>				R589	1-249-441-11	CARBON 100K 5%	1/4W
R522	1-249-411-11	CARBON 330 5%	1/4W	R590	1-247-901-11	CARBON 820K 5%	1/4W
R523	1-249-423-11	CARBON 3.3K 5%	1/4W	R591	1-215-881-11	METAL OXIDE 15 5%	2W F
R524	1-260-331-11	CARBON 1.8K 5%	1/2W	R592	1-260-320-11	CARBON 220 5%	1/2W
R525	1-216-480-11	METAL OXIDE 820 5%	3W F	R598	1-215-882-00	METAL OXIDE 22 5%	2W F
R526	1-216-480-11	METAL OXIDE 820 5%	3W F	R599	1-249-437-11	CARBON 47K 5%	1/4W
R527	1-249-401-11	CARBON 47 5%	1/4W	R600	1-249-429-11	CARBON 10K 5%	1/4W
R528	1-249-397-11	CARBON 22 5%	1/4W F	R601	1-249-437-11	CARBON 47K 5%	1/4W
R529	1-249-393-11	CARBON 10 5%	1/4W F	R602	1-215-453-00	METAL 22K 1%	1/4W
R530	1-249-393-11	CARBON 10 5%	1/4W F	R604	1-215-455-00	METAL 27K 1%	1/4W
R531	1-249-425-11	CARBON 4.7K 5%	1/4W	R605	1-216-370-11	METAL OXIDE 1.2 5%	2W F
R532	1-247-887-00	CARBON 220K 5%	1/4W	R606	1-215-913-11	METAL OXIDE 220 5%	3W F
R533	1-215-878-00	METAL OXIDE 33K 5%	1W F	R607	1-249-383-11	CARBON 1.5 5%	1/4W F
R534	1-249-437-11	CARBON 47K 5%	1/4W	R610	1-249-432-11	CARBON 18K 5%	1/4W
R535	1-215-473-00	METAL 150K 1%	1/4W	R611	1-249-432-11	CARBON 18K 5%	1/4W
R536	1-215-445-00	METAL 10K 1%	1/4W	R612	1-249-425-11	CARBON 4.7K 5%	1/4W
R537	1-215-463-00	METAL 56K 1%	1/4W	R613	1-249-437-11	CARBON 47K 5%	1/4W
R538	1-215-449-00	METAL 15K 1%	1/4W	R614	1-249-421-11	CARBON 2.2K 5%	1/4W
R539	1-249-425-11	CARBON 4.7K 5%	1/4W	R615	1-249-409-11	CARBON 220 5%	1/4W
R542	1-249-434-11	CARBON 27K 5%	1/4W	R620	1-249-424-11	CARBON 3.9K 5%	1/4W
R545	1-247-889-00	CARBON 270K 5%	1/4W	R621	1-249-424-11	CARBON 3.9K 5%	1/4W
R546	1-249-441-11	CARBON 100K 5%	1/4W	R622	1-249-410-11	CARBON 270 5%	1/4W
R547	1-249-441-11	CARBON 100K 5%	1/4W	R623	1-249-425-11	CARBON 4.7K 5%	1/4W
R548	1-215-449-00	METAL 15K 1%	1/4W	R624	1-249-425-11	CARBON 4.7K 5%	1/4W
R549	1-249-441-11	CARBON 100K 5%	1/4W	R625	1-249-410-11	CARBON 270 5%	1/4W
R550	1-215-441-00	METAL 6.8K 1%	1/4W	R626	1-249-433-11	CARBON 22K 5%	1/4W
R551	1-215-457-00	METAL 33K 1%	1/4W	R627	1-249-433-11	CARBON 22K 5%	1/4W
R552	1-215-465-00	METAL 68K 1%	1/4W	R628	1-249-441-11	CARBON 100K 5%	1/4W
R553	1-247-903-00	CARBON 1M 5%	1/4W	R629	1-247-883-00	CARBON 150K 5%	1/4W
R554	1-249-419-11	CARBON 1.5K 5%	1/4W	R630	1-249-398-11	CARBON 27 5%	1/4W F
R555	1-249-438-11	CARBON 56K 5%	1/4W	R631	1-249-441-11	CARBON 100K 5%	1/4W
R556	1-249-423-11	CARBON 3.3K 5%	1/4W	R632	1-249-385-11	CARBON 2.2 5%	1/4W F
R557	1-249-435-11	CARBON 33K 5%	1/4W	R633	1-249-385-11	CARBON 2.2 5%	1/4W F
R558	1-249-433-11	CARBON 22K 5%	1/4W	R634	1-215-888-00	METAL OXIDE 220 5%	2W F
R559	1-249-417-11	CARBON 1K 5%	1/4W	R635	1-215-444-00	METAL 9.1K 1%	1/4W
R560	1-249-429-11	CARBON 10K 5%	1/4W	R636	1-215-425-00	METAL 1.5K 1%	1/4W
R561	1-249-437-11	CARBON 47K 5%	1/4W	R637	1-249-429-11	CARBON 10K 5%	1/4W
R562	1-249-437-11	CARBON 47K 5%	1/4W	R638	1-249-417-11	CARBON 1K 5%	1/4W
R563	1-249-441-11	CARBON 100K 5%	1/4W	R650	1-216-382-11	METAL OXIDE 0.27 5%	3W F
R564	1-249-415-11	CARBON 680 5%	1/4W	R651	1-249-417-11	CARBON 1K 5%	1/4W F
R565	1-215-450-00	METAL 16K 1%	1/4W	R652	1-249-405-11	CARBON 100 5%	1/4W F
R566	1-249-410-11	CARBON 270 5%	1/4W	R670	1-249-409-11	CARBON 220 5%	1/4W
R567	1-249-402-11	CARBON 56 5%	1/4W	R671	1-249-429-11	CARBON 10K 5%	1/4W
R568	1-249-411-11	CARBON 330 5%	1/4W	R680	1-249-426-11	CARBON 5.6K 5%	1/4W
R569	1-249-441-11	CARBON 100K 5%	1/4W	R682	1-249-409-11	CARBON 220 5%	1/4W F
R570	1-249-441-11	CARBON 100K 5%	1/4W	R683	1-249-429-11	CARBON 10K 5%	1/4W
R571	1-249-441-11	CARBON 100K 5%	1/4W	R684	1-249-425-11	CARBON 4.7K 5%	1/4W
R572	1-216-439-00	METAL OXIDE 12K 5%	1W F	R685	1-249-425-11	CARBON 4.7K 5%	1/4W
R573	1-216-459-00	METAL OXIDE 2.7K 5%	2W F	R686	1-249-423-11	CARBON 3.3K 5%	1/4W
R574	1-216-459-00	METAL OXIDE 2.7K 5%	2W F	R687	1-247-807-31	CARBON 100 5%	1/4W
R575	1-202-826-00	SOLID 4.7K 20%	1/2W	R688	1-216-455-11	METAL OXIDE 560 5%	2W F
R576	1-259-882-11	CARBON 3.3M 5%	1/4W	R689	1-215-471-00	METAL 120K 1%	1/4W
R577	1-249-443-11	CARBON 0.47 5%	1/4W F	R801	1-249-409-11	CARBON 220 5%	1/4W
R578	1-249-443-11	CARBON 0.47 5%	1/4W F	R802	1-249-409-11	CARBON 220 5%	1/4W
R580	1-249-496-11	CARBON 100K 5%	1/2W	R804	1-247-891-00	CARBON 330K 5%	1/4W
Δ R581				R808	1-215-463-00	METAL 56K 1%	1/4W
R582	1-249-417-11	CARBON 1K 5%	1/4W	R809	1-249-423-11	CARBON 3.3K 5%	1/4W
Δ R583				R810	1-249-413-11	CARBON 470 5%	1/4W
R584	1-249-425-11	CARBON 4.7K 5%	1/4W	R811	1-249-434-11	CARBON 27K 5%	1/4W
R585	1-249-425-11	CARBON 4.7K 5%	1/4W	R812	1-249-438-11	CARBON 56K 5%	1/4W
R586	1-247-903-00	CARBON 1M 5%	1/4W	R813	1-249-417-11	CARBON 1K 5%	1/4W
R587	1-249-440-11	CARBON 82K 5%	1/4W	R814	1-249-429-11	CARBON 10K 5%	1/4W
R588	1-215-869-11	METAL OXIDE 1K 5%	1W F	R815	1-249-427-11	CARBON 6.8K 5%	1/4W
				R816	1-249-425-11	CARBON 4.7K 5%	1/4W

* The components identified by Δ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

A

REF. NO.	PART NO.	DESCRIPTION	ON	TRAY	REMARK	REF. NO.	PART NO.	DESCRIPTION	ON	TRAY	REMARK
R817	1-249-422-11	CARBON	2.7K	5%	1/4W	R938	1-247-807-31	CARBON	100	5%	1/4W
R818	1-249-417-11	CARBON	1K	5%	1/4W	R939	1-249-405-11	CARBON	100	5%	1/4W F
R820	1-249-417-11	CARBON	1K	5%	1/4W	R940	1-249-405-11	CARBON	100	5%	1/4W F
R821	1-216-379-11	METAL OXIDE	6.8	5%	2W F	R941	1-247-807-31	CARBON	100	5%	1/4W
R822	1-249-423-11	CARBON	3.3K	5%	1/4W	R944	1-249-432-11	CARBON	18K	5%	1/4W
R824	1-249-419-11	CARBON	1.5K	5%	1/4W F	R945	1-247-895-00	CARBON	470K	5%	1/4W
R825	1-215-857-11	METAL OXIDE	10	5%	1W F	R946	1-249-425-11	CARBON	4.7K	5%	1/4W
R826	1-249-404-00	CARBON	82	5%	1/4W	R947	1-249-419-11	CARBON	1.5K	5%	1/4W F
R827	1-216-438-11	METAL OXIDE	8.2K	5%	1W F	R948	1-249-435-11	CARBON	33K	5%	1/4W
R828	1-249-441-11	CARBON	100K	5%	1/4W	R950	1-249-425-11	CARBON	4.7K	5%	1/4W
R829	1-249-414-11	CARBON	560	5%	1/4W	R952	1-247-807-31	CARBON	100	5%	1/4W
R830	1-249-411-11	CARBON	330	5%	1/4W	R953	1-247-889-00	CARBON	270K	5%	1/4W
R831	1-249-426-11	CARBON	5.6K	5%	1/4W	R954	1-247-889-00	CARBON	270K	5%	1/4W
R832	1-215-864-00	METAL OXIDE	150	5%	1W F	R956	1-249-433-11	CARBON	22K	5%	1/4W
R833	1-249-421-11	CARBON	2.2K	5%	1/4W	R1601	1-215-461-00	METAL	47K	1%	1/4W
R834	1-249-433-11	CARBON	22K	5%	1/4W	R1602	1-249-429-11	CARBON	10K	5%	1/4W
R835	1-249-393-11	CARBON	10	5%	1/4W	R1603	1-215-451-00	METAL	18K	1%	1/4W
R836	1-249-435-11	CARBON	33K	5%	1/4W	R1604	1-215-445-00	METAL	10K	1%	1/4W
R837	1-249-435-11	CARBON	33K	5%	1/4W	R1605	1-215-421-00	METAL	1K	1%	1/4W
R838	1-215-857-11	METAL OXIDE	10	5%	1W F	R1606	1-249-423-11	CARBON	3.3K	5%	1/4W
R839	1-249-410-11	CARBON	270	5%	1/4W	R1607	1-249-436-11	CARBON	39K	5%	1/4W
R840	1-249-429-11	CARBON	10K	5%	1/4W	R1608	1-215-445-00	METAL	10K	1%	1/4W
R841	1-249-437-11	CARBON	47K	5%	1/4W	R1609	1-215-445-00	METAL	10K	1%	1/4W
R842	1-249-429-11	CARBON	10K	5%	1/4W	R1610	1-249-423-11	CARBON	3.3K	5%	1/4W
R843	1-249-421-11	CARBON	2.2K	5%	1/4W	R1611	1-249-421-11	CARBON	2.2K	5%	1/4W
R844	1-249-421-11	CARBON	2.2K	5%	1/4W	R1612	1-215-467-00	METAL	82K	1%	1/4W
R845	1-249-417-11	CARBON	1K	5%	1/4W	R1613	1-215-469-00	METAL	100K	1%	1/4W
R901	1-249-425-11	CARBON	4.7K	5%	1/4W	R1614	1-249-430-11	CARBON	12K	5%	1/4W
R902	1-249-438-11	CARBON	56K	5%	1/4W	R1615	1-249-431-11	CARBON	15K	5%	1/4W
R903	1-249-429-11	CARBON	10K	5%	1/4W	R1616	1-247-807-31	CARBON	100	5%	1/4W
R904	1-249-429-11	CARBON	10K	5%	1/4W	R1617	1-249-431-11	CARBON	15K	5%	1/4W
R905	1-249-429-11	CARBON	10K	5%	1/4W	R1618	1-249-429-11	CARBON	10K	5%	1/4W
R906	1-249-425-11	CARBON	4.7K	5%	1/4W	R1619	1-249-437-11	CARBON	47K	5%	1/4W
R907	1-249-429-11	CARBON	10K	5%	1/4W	R1622	1-249-428-11	CARBON	8.2K	5%	1/4W
R908	1-249-434-11	CARBON	27K	5%	1/4W	R1623	1-249-427-11	CARBON	6.8K	5%	1/4W
R909	1-215-465-00	METAL	68K	1%	1/4W	R1624	1-249-429-11	CARBON	10K	5%	1/4W
R910	1-215-457-00	METAL	33K	1%	1/4W	R1625	1-249-433-11	CARBON	22K	5%	1/4W
R911	1-249-441-11	CARBON	100K	5%	1/4W	R1626	1-249-440-11	CARBON	82K	5%	1/4W
R912	1-249-429-11	CARBON	10K	5%	1/4W	R1631	1-249-425-11	CARBON	4.7K	5%	1/4W
R913	1-249-425-11	CARBON	4.7K	5%	1/4W	R1635	1-215-437-00	METAL	4.7K	1%	1/4W
R914	1-249-401-11	CARBON	47	5%	1/4W	R1636	1-247-887-00	CARBON	220K	5%	1/4W
R915	1-249-425-11	CARBON	4.7K	5%	1/4W	R1637	1-215-439-00	METAL	5.6K	1%	1/4W
R916	1-249-421-11	CARBON	2.2K	5%	1/4W	R1638	1-215-439-00	METAL	5.6K	1%	1/4W
R917	1-249-439-11	CARBON	68K	5%	1/4W	R1639	1-249-434-11	CARBON	27K	5%	1/4W
R918	1-249-413-11	CARBON	470	5%	1/4W	R1640	1-215-433-00	METAL	3.3K	1%	1/4W
R919	1-249-437-11	CARBON	47K	5%	1/4W	R1641	1-215-437-00	METAL	4.7K	1%	1/4W
R920	1-249-418-11	CARBON	1.2K	5%	1/4W F	R1642	1-249-426-11	CARBON	5.6K	5%	1/4W
R921	1-215-876-00	METAL OXIDE	15K	5%	1W F	R1643	1-215-455-00	METAL	27K	1%	1/4W
R922	1-215-870-11	METAL OXIDE	1.5K	5%	1W F	R1660	1-215-424-00	METAL	1.3K	1%	1/4W
R923	1-249-429-11	CARBON	10K	5%	1/4W	R1661	1-215-451-00	METAL	18K	1%	1/4W
R924	1-249-423-11	CARBON	3.3K	5%	1/4W	R1662	1-249-441-11	CARBON	100K	5%	1/4W
R925	1-249-415-11	CARBON	680	5%	1/4W	R1663	1-249-428-11	CARBON	8.2K	5%	1/4W
R926	1-249-409-11	CARBON	220	5%	1/4W	R1664	1-249-425-11	CARBON	4.7K	5%	1/4W
R927	1-249-429-11	CARBON	10K	5%	1/4W	R1665	1-249-425-11	CARBON	4.7K	5%	1/4W
R928	1-249-421-11	CARBON	2.2K	5%	1/4W	R1666	1-249-429-11	CARBON	10K	5%	1/4W
R929	1-249-429-11	CARBON	10K	5%	1/4W	R1667	1-247-807-31	CARBON	100	5%	1/4W
R930	1-249-434-11	CARBON	27K	5%	1/4W	R1668	1-249-429-11	CARBON	10K	5%	1/4W
R931	1-249-421-11	CARBON	2.2K	5%	1/4W	R1669	1-249-437-11	CARBON	47K	5%	1/4W
R933	1-249-421-11	CARBON	2.2K	5%	1/4W	R1670	1-249-429-11	CARBON	10K	5%	1/4W
R934	1-249-439-11	CARBON	68K	5%	1/4W	R1671	1-249-429-11	CARBON	10K	5%	1/4W
R935	1-249-429-11	CARBON	10K	5%	1/4W	R1672	1-249-433-11	CARBON	22K	5%	1/4W
R936	1-249-429-11	CARBON	10K	5%	1/4W	R1673	1-215-445-00	METAL	10K	1%	1/4W
R937	1-249-421-11	CARBON	2.2K	5%	1/4W	R1674	1-249-421-11	CARBON	2.2K	5%	1/4W



Les composants identifiés par
une trame et une marque Δ
sont critiques pour la sécurité.
Ne les remplacer que par une
pièce portant le numéro spécifié.

The components identified by
shading and mark Δ are critical
for safety.
Replace only with part number
specified.

REF. NO.	PART NO.	DESCRIPTION	QTY	UNIT	REMARK	REF. NO.	PART NO.	DESCRIPTION	QTY	UNIT	REMARK
R1675	1-249-429-11	CARBON	10K	5%	1/4W	C805	1-137-399-11	FILM	0.1MF	5%	50V
R1676	1-215-426-00	METAL	1.6K	1%	1/4W	C806	1-163-035-00	CERAMIC CHIP	0.047MF		50V
R1677	1-215-445-00	METAL	10K	1%	1/4W	C807	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
R1678	1-215-465-00	METAL	68K	1%	1/4W	C808	1-163-035-00	CERAMIC CHIP	0.047MF		50V
R1680	1-249-417-11	CARBON	1K	5%	1/4W	C809	1-163-035-00	CERAMIC CHIP	0.047MF		50V
R1681	1-249-422-11	CARBON	2.7K	5%	1/4W	C810	1-126-933-11	ELECT	100MF	20%	10V
R1682	1-249-441-11	CARBON	100K	5%	1/4W	C811	1-163-035-00	CERAMIC CHIP	0.047MF		50V
R1683	1-215-449-00	METAL	15K	1%	1/4W	C812	1-163-035-00	CERAMIC CHIP	0.047MF		50V
R1684	1-249-423-11	CARBON	3.3K	5%	1/4W	C814	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
R1685	1-215-428-00	METAL	2K	1%	1/4W	C815	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
R1686	1-215-451-00	METAL	18K	1%	1/4W	C816	1-124-925-11	ELECT	2.2MF	20%	50V
R1687	1-215-451-00	METAL	18K	1%	1/4W	C817	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
R1688	1-215-442-00	METAL	7.5K	1%	1/4W						
R1690	1-249-431-11	CARBON	15K	5%	1/4W						
R1699	1-215-449-00	METAL	15K	1%	1/4W						
R1832	1-215-890-11	METAL OXIDE	470	5%	2W						
R1833	1-249-389-11	CARBON	4.7	5%	1/4W						
R1834	1-215-883-11	METAL OXIDE	33	5%	2W						
		(PVM-2950Q/2950QM(AEP))									
		(PVM-2950QM(AUS))									
	1-216-361-00	METAL OXIDE	0.22	5%	2W						
R1835	1-215-889-00	METAL OXIDE	330	5%	2W						
		(PVM-2950Q/2950QM(AEP))									
		(PVM-2950QM(AUS))									
	1-216-886-11	METAL OXIDE	100	5%	2W						
R1836	1-215-887-00	METAL OXIDE	150	5%	2W						
		(PVM-2950Q/2950QM(AEP))									
		(PVM-2950QM(AUS))									
	1-215-889-00	METAL OXIDE	330	5%	2W						
R1837	1-215-909-11	METAL OXIDE	47	5%	3W						
		(PVM-2950Q/2950QM(AEP))									
		(PVM-2950QM(AUS))									
		<VARIABLE RESISTOR>									
RV1601	1-228-996-00	RES. ADJ. METAL GLAZE	47K								
RV1602	1-228-993-00	RES. ADJ. METAL GLAZE	4.7K								
RV1603	1-228-994-00	RES. ADJ. METAL GLAZE	10K								
		<SPARK GAP>									
SG501	1-519-422-11	GAP, SPARK									
		<TRANSFORMER>									
T501	1-437-217-11	TRANSFORMER, HORIZONTAL DRIVE									
T502	1-460-199-11	TRANSFORMER (HLT)									
T503	1-424-584-11	TRANSFORMER, DYNAMIC FOCUS									
T504	1-4032-250-1	TRANSFORMER ASSY, FLYBACK									
T1801	1-423-622-11	TRANSFORMER, FERRITE (VPOT)									
		<THERMISTOR>									
TH501	1-807-925-11	THERMISTOR									

	*A-1301-950-A	M BOARD, COMPLETE									

	*1-526-950-11	SOCKET, IC 64P									
		<CAPACITOR>									
C801	1-126-933-11	ELECT	100MF	20%	10V						
C802	1-163-035-00	CERAMIC CHIP	0.047MF		50V						
C803	1-163-097-00	CERAMIC CHIP	15PF	5%	50V						
C804	1-163-097-00	CERAMIC CHIP	15PF	5%	50V						
		<CONNECTOR>									
CN801	1-573-965-21	PIN, CONNECTOR (PC BOARD)	50P								
CN802	*1-564-520-11	PLUG, CONNECTOR	5P								
CN803	1-564-523-11	PLUG, CONNECTOR	8P								
		<DIODE>									
D801	8-719-404-46	DIODE	MA110								
D802	8-719-404-46	DIODE	MA110								
D803	8-719-404-46	DIODE	MA110								
D804	8-719-404-46	DIODE	MA110								
D805	8-719-404-46	DIODE	MA110								
D806	8-719-404-46	DIODE	MA110								
D807	8-719-404-46	DIODE	MA110								
D808	8-719-404-46	DIODE	MA110								
D809	8-719-404-46	DIODE	MA110								
D810	8-719-404-46	DIODE	MA110								
D811	8-719-404-46	DIODE	MA110								
D812	8-719-404-46	DIODE	MA110								
D813	8-719-404-46	DIODE	MA110								
D814	8-719-404-46	DIODE	MA110								
		<IC>									
IC801	8-759-261-31	IC	HD6473256P10-PVM1								
IC802	8-759-925-74	IC	SN74HC04ANS								
IC803	8-759-083-63	IC	UPD6453GT-625-E1								
IC804	8-759-162-80	IC	MM11708FB								
IC805	8-759-032-26	IC	MC74HC125AF								
IC806	8-759-156-54	IC	X25040SI								
		<COIL>									
L801	1-408-421-00	INDUCTOR	100UH								
L802	1-408-421-00	INDUCTOR	100UH								
L803	1-410-476-11	INDUCTOR	33UH								
		<RESISTOR>									
R801	1-216-089-91	METAL GLAZE	47K	5%	1/10W						
R802	1-216-089-91	METAL GLAZE	47K	5%	1/10W						
R805	1-216-089-91	METAL GLAZE	47K	5%	1/10W						
R806	1-216-073-00	METAL GLAZE	10K	5%	1/10W						
R807	1-216-073-00	METAL GLAZE	10K	5%	1/10W						
R808	1-216-073-00	METAL GLAZE	10K	5%	1/10W						
R809	1-216-073-00	METAL GLAZE	10K	5%	1/10W						
R810	1-216-073-00	METAL GLAZE	10K	5%	1/10W						
R811	1-216-073-00	METAL GLAZE	10K	5%	1/10W						
R812	1-216-049-00	METAL GLAZE	1K	5%	1/10W						


* The components identified by Δ in this manual have been carefully factory selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.


REF.NO.	PART NO.	DESCRIPTION	QTY	UNIT	REMARK	REF.NO.	PART NO.	DESCRIPTION	QTY	UNIT	REMARK
R813	1-216-049-00	METAL GLAZE	1K	5%	1/10W	C1511	1-163-011-11	CERAMIC CHIP 0.0015MF	10%	50V	
R814	1-216-049-00	METAL GLAZE	1K	5%	1/10W	C1512	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
R815	1-216-049-00	METAL GLAZE	1K	5%	1/10W	C1513	1-164-161-11	CERAMIC CHIP 0.0022MF	10%	50V	
R816	1-216-025-00	METAL GLAZE	100	5%	1/10W	C1515	1-163-031-11	CERAMIC CHIP 0.01MF		50V	
R817	1-216-049-00	METAL GLAZE	1K	5%	1/10W	C1517	1-163-031-11	CERAMIC CHIP 0.01MF		50V	
R818	1-216-049-00	METAL GLAZE	1K	5%	1/10W	C1518	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
R819	1-216-049-00	METAL GLAZE	1K	5%	1/10W	C1519	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V	
R821	1-216-049-00	METAL GLAZE	1K	5%	1/10W	C1520	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V	
R822	1-216-049-00	METAL GLAZE	1K	5%	1/10W	C1521	1-164-161-11	CERAMIC CHIP 0.0022MF	10%	50V	
R823	1-216-025-00	METAL GLAZE	100	5%	1/10W	C1522	1-136-171-00	FILM 0.33MF	5%	50V	
R824	1-216-049-00	METAL GLAZE	1K	5%	1/10W	C1523	1-164-161-11	CERAMIC CHIP 0.0022MF	10%	50V	
R825	1-216-049-00	METAL GLAZE	1K	5%	1/10W	C1524	1-163-011-11	CERAMIC CHIP 0.0015MF	10%	50V	
R826	1-216-033-00	METAL GLAZE	220	5%	1/10W	C1525	1-163-011-11	CERAMIC CHIP 0.0015MF	10%	50V	
R827	1-216-049-00	METAL GLAZE	1K	5%	1/10W	C1526	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
R828	1-216-049-00	METAL GLAZE	1K	5%	1/10W	C1528	1-163-031-11	CERAMIC CHIP 0.01MF		50V	
R829	1-216-033-00	METAL GLAZE	220	5%	1/10W	C1529	1-163-031-11	CERAMIC CHIP 0.01MF		50V	
R830	1-216-033-00	METAL GLAZE	220	5%	1/10W	C1534	1-163-031-11	CERAMIC CHIP 0.01MF		50V	
R831	1-216-089-91	METAL GLAZE	47K	5%	1/10W	C1537	1-163-031-11	CERAMIC CHIP 0.01MF		50V	
R832	1-216-089-91	METAL GLAZE	47K	5%	1/10W	C1538	1-163-031-11	CERAMIC CHIP 0.01MF		50V	
R833	1-216-089-91	METAL GLAZE	47K	5%	1/10W	C1539	1-104-665-11	ELECT 100MF	20%	25V	
R834	1-216-049-00	METAL GLAZE	1K	5%	1/10W	C1540	1-104-665-11	ELECT 100MF	20%	25V	
R835	1-216-049-00	METAL GLAZE	1K	5%	1/10W	C1541	1-163-031-11	CERAMIC CHIP 0.01MF		50V	
R836	1-216-073-00	METAL GLAZE	10K	5%	1/10W	C1542	1-163-031-11	CERAMIC CHIP 0.01MF		50V	
R837	1-216-049-00	METAL GLAZE	1K	5%	1/10W	C1543	1-163-031-11	CERAMIC CHIP 0.01MF		50V	
R838	1-216-025-00	METAL GLAZE	100	5%	1/10W	C1545	1-124-927-11	ELECT 4.7MF	20%	50V	
R839	1-216-025-00	METAL GLAZE	100	5%	1/10W	C1550	1-136-177-00	FILM 1MF	5%	50V	
R840	1-216-025-00	METAL GLAZE	100	5%	1/10W	C1551	1-126-157-11	ELECT 10MF	20%	16V	
R841	1-216-025-00	METAL GLAZE	100	5%	1/10W	C1552	1-136-159-00	FILM 0.033MF	5%	50V	
R842	1-216-073-00	METAL GLAZE	10K	5%	1/10W	C1590	1-162-638-11	CERAMIC CHIP 1MF		16V	
R843	1-216-073-00	METAL GLAZE	10K	5%	1/10W	C1591	1-162-638-11	CERAMIC CHIP 1MF		16V	
R844	1-216-033-00	METAL GLAZE	220	5%	1/10W	C1592	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	
R845	1-216-033-00	METAL GLAZE	220	5%	1/10W						
R846	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W						
R848	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R849	1-216-033-00	METAL GLAZE	220	5%	1/10W						
R850	1-216-033-00	METAL GLAZE	220	5%	1/10W						
R851	1-216-033-00	METAL GLAZE	220	5%	1/10W						
R852	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R853	1-216-049-00	METAL GLAZE	1K	5%	1/10W						
R854	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W						
R855	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W						
R856	1-216-073-00	METAL GLAZE	10K	5%	1/10W						
<CRYSTAL>											
X801	1-760-040-11	VIBRATOR, CRYSTAL									

*A-1341-764-A DX BOARD, COMPLETE											

<CAPACITOR>											
C1501	1-163-031-11	CERAMIC CHIP 0.01MF			50V						
C1502	1-163-031-11	CERAMIC CHIP 0.01MF			50V						
C1503	1-163-031-11	CERAMIC CHIP 0.01MF			50V						
C1504	1-164-161-11	CERAMIC CHIP 0.0022MF	10%		50V						
C1505	1-164-161-11	CERAMIC CHIP 0.0022MF	10%		50V						
C1506	1-164-161-11	CERAMIC CHIP 0.0022MF	10%		50V						
C1507	1-164-232-11	CERAMIC CHIP 0.01MF	10%		50V						
C1508	1-136-171-00	FILM 0.33MF	5%		50V						
C1509	1-164-161-11	CERAMIC CHIP 0.0022MF	10%		50V						
C1510	1-163-011-11	CERAMIC CHIP 0.0015MF	10%		50V						
C1511	1-163-011-11	CERAMIC CHIP 0.0015MF	10%		50V						
C1512	1-164-004-11	CERAMIC CHIP 0.1MF	10%		25V						
C1513	1-164-161-11	CERAMIC CHIP 0.0022MF	10%		50V						
C1515	1-163-031-11	CERAMIC CHIP 0.01MF			50V						
C1517	1-163-031-11	CERAMIC CHIP 0.01MF			50V						
C1518	1-164-004-11	CERAMIC CHIP 0.1MF	10%		25V						
C1519	1-163-009-11	CERAMIC CHIP 0.001MF	10%		50V						
C1520	1-163-009-11	CERAMIC CHIP 0.001MF	10%		50V						
C1521	1-164-161-11	CERAMIC CHIP 0.0022MF	10%		50V						
C1522	1-136-171-00	FILM 0.33MF	5%		50V						
C1523	1-164-161-11	CERAMIC CHIP 0.0022MF	10%		50V						
C1524	1-163-011-11	CERAMIC CHIP 0.0015MF	10%		50V						
C1525	1-163-011-11	CERAMIC CHIP 0.0015MF	10%		50V						
C1526	1-164-004-11	CERAMIC CHIP 0.1MF	10%		25V						
C1528	1-163-031-11	CERAMIC CHIP 0.01MF			50V						
C1529	1-163-031-11	CERAMIC CHIP 0.01MF			50V						
C1534	1-163-031-11	CERAMIC CHIP 0.01MF			50V						
C1537	1-163-031-11	CERAMIC CHIP 0.01MF			50V						
C1538	1-163-031-11	CERAMIC CHIP 0.01MF			50V						
C1539	1-104-665-11	ELECT 100MF	20%		25V						
C1540	1-104-665-11	ELECT 100MF	20%		25V						
C1541	1-163-031-11	CERAMIC CHIP 0.01MF			50V						
C1542	1-163-031-11	CERAMIC CHIP 0.01MF			50V						
C1543	1-163-031-11	CERAMIC CHIP 0.01MF			50V						
C1545	1-124-927-11	ELECT 4.7MF	20%		50V						
C1550	1-136-177-00	FILM 1MF	5%		50V						
C1551	1-126-157-11	ELECT 10MF	20%		16V						
C1552	1-136-159-00	FILM 0.033MF	5%		50V						
C1590	1-162-638-11	CERAMIC CHIP 1MF			16V						
C1591	1-162-638-11	CERAMIC CHIP 1MF			16V						
C1592	1-164-004-11	CERAMIC CHIP 0.1MF	10%		25V						
<CONNECTOR>											
CN1501	1-573-965-21	PIN, CONNECTOR (PC BOARD) 50P									
<DIODE>											
D1501	8-719-404-46	DIODE MA110									
D1502	8-719-037-03	DIODE RD6.8SB1-T1									
D1505	8-719-404-46	DIODE MA110									
D1506	8-719-404-46	DIODE MA110									
D1507	8-719-404-46	DIODE MA110									
D1508	8-719-404-46	DIODE MA110									
D1590	8-719-033-52	DIODE RD5.1SB1-T1									
D1591	8-719-404-46	DIODE MA110									
<IC>											
IC1501	8-752-347-92	IC CXD2018Q									
IC1502	8-752-347-92	IC CXD2018Q									
IC1503	8-759-970-89	IC BA10358F									
IC1504	8-759-970-89	IC BA10358F									
IC1505	8-759-970-89	IC BA10358F									
IC1506	8-752-058-68	IC CXA1315M									
IC1507	8-759-032-16	IC MC74HC08AF-T2									
IC1508	8-759-032-16	IC MC74HC08AF-T2									
IC1509	8-759-925-80	IC SN74HC14ANS									
IC1511	8-759-032-20	IC MC74HC32AF									
IC1514	8-759-236-47	IC TC74HC164AF(EL)									
IC1516	8-759-236-47	IC TC74HC164AF(EL)									
IC1518	8-759-970-89	IC BA10358F									
IC1590	8-759-970-89	IC BA10358F									

DX G1 G (PVM-2950Q)

Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark  are critical for safety.
Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
		<COIL>					
L1501	1-408-409-00	INDUCTOR 10UH		R1561	1-216-113-00	METAL GLAZE 470K 5%	1/10W
L1502	1-408-409-00	INDUCTOR 10UH		R1562	1-216-097-00	METAL GLAZE 100K 5%	1/10W
L1503	1-408-409-00	INDUCTOR 10UH		R1570	1-216-095-00	METAL GLAZE 82K 5%	1/10W
L1504	1-408-409-00	INDUCTOR 10UH		R1571	1-216-073-00	METAL GLAZE 10K 5%	1/10W
		<TRANSISTOR>		R1572	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q1501	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1573	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q1502	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1574	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q1503	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1575	1-216-089-91	METAL GLAZE 47K 5%	1/10W
Q1504	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1576	1-216-073-00	METAL GLAZE 10K 5%	1/10W
Q1590	8-729-216-22	TRANSISTOR 2SA1162-G		R1577	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
Q1591	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R1578	1-216-097-00	METAL GLAZE 100K 5%	1/10W
		<RESISTOR>		R1579	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R1501	1-216-075-00	METAL GLAZE 12K 5%	1/10W	R1590	1-216-105-00	METAL GLAZE 220K 5%	1/10W
R1502	1-216-091-00	METAL GLAZE 56K 5%	1/10W	R1591	1-216-063-00	METAL GLAZE 3.9K 5%	1/10W
R1503	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R1592	1-216-668-11	METAL CHIP 5.1K 0.50%	1/10W
R1504	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R1593	1-216-668-11	METAL CHIP 5.1K 0.50%	1/10W
R1505	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R1594	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R1506	1-216-085-00	METAL GLAZE 33K 5%	1/10W	R1595	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R1507	1-216-085-00	METAL GLAZE 33K 5%	1/10W	R1596	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R1508	1-216-109-00	METAL GLAZE 330K 5%	1/10W	R1597	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R1509	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R1598	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R1510	1-216-049-00	METAL GLAZE 1K 5%	1/10W	*****			
R1512	1-216-049-00	METAL GLAZE 1K 5%	1/10W	*A-1311-363-A	G1 BOARD, COMPLETE (PVM-2950Q)		
R1513	1-216-073-00	METAL GLAZE 10K 5%	1/10W		*****		
R1514	1-216-075-00	METAL GLAZE 12K 5%	1/10W	*A-1311-365-A	G1 BOARD, COMPLETE (PVM-2950QM)		
R1515	1-216-091-00	METAL GLAZE 56K 5%	1/10W		*****		
R1517	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W			<CAPACITOR>	
R1518	1-216-073-00	METAL GLAZE 10K 5%	1/10W	C601	A1-162-599-12	CERAMIC 0.0047MF 20%	400V
R1519	1-216-085-00	METAL GLAZE 33K 5%	1/10W			<CONNECTOR>	
R1520	1-216-085-00	METAL GLAZE 33K 5%	1/10W	CN602	*1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P	
R1521	1-216-109-00	METAL GLAZE 330K 5%	1/10W	CN603	*1-573-963-11	PIN, CONNECTOR (PC BOARD) 3P	
R1522	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	CN604	*1-573-963-11	PIN, CONNECTOR (PC BOARD) 3P	
R1523	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	CN610	*1-691-134-11	PIN, CONNECTOR (PC BOARD) 2P	
R1524	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	CN611	*1-537-711-11	TAB, FASTEN (PCB)	
R1525	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W			<THERMISTOR>	
R1526	1-216-073-00	METAL GLAZE 10K 5%	1/10W	THP601A	A1-809-539-11	THERMISTOR, POSITIVE (PVM-2950Q)	
R1527	1-216-073-00	METAL GLAZE 10K 5%	1/10W		A1-809-827-11	THERMISTOR, POSITIVE (PVM-2950QM)	
R1528	1-216-083-00	METAL GLAZE 27K 5%	1/10W	*****			
R1529	1-216-047-00	METAL GLAZE 820 5%	1/10W	*A-1316-181-A	G BOARD, COMPLETE (PVM-2950Q)		
R1530	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W		*****		
R1532	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W	1-533-223-11	CLIP, FUSE		
R1533	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	4-382-854-11	SCREW (M3X10), P, SW (+)		
R1534	1-216-049-00	METAL GLAZE 1K 5%	1/10W			<CAPACITOR>	
R1535	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W	C602	A1-104-706-11	FILM 0.22MF 20%	250V
R1536	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C603	A1-104-706-11	FILM 0.22MF 20%	250V
R1539	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	C604	A1-162-599-12	CERAMIC 0.0047MF 20%	400V
R1541	1-216-073-00	METAL GLAZE 10K 5%	1/10W	C605	A1-162-599-12	CERAMIC 0.0047MF 20%	400V
R1542	1-216-073-00	METAL GLAZE 10K 5%	1/10W	C606	1-104-346-11	ELECT 1000MF	200V
R1547	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W	C610	1-136-067-00	FILM 0.0036MF 3%	2KV
R1548	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W	C611	1-106-357-00	MYLAR 0.0039MF 10%	100V
R1549	1-216-049-00	METAL GLAZE 1K 5%	1/10W	C612	1-124-927-11	ELECT 4.7MF 20%	50V
R1550	1-216-025-00	METAL GLAZE 100 5%	1/10W	C613	1-126-948-11	ELECT 100MF 20%	35V
R1551	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W	C615	A1-162-599-12	CERAMIC 0.0047MF 20%	400V
R1552	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W				
R1553	1-216-073-00	METAL GLAZE 10K 5%	1/10W				
R1554	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W				
R1560	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W				

The components identified by shading and mark Δ are critical for safety.
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Ne les remplacer que par une pièce portant le numéro spécifié.

PVM-2950Q/2950QM
RM-854

(MOOSE-MV)

G (PVM-2950Q)

REF.NO.	PART NO.	DESCRIPTION	REMARK
C616	Δ 1-162-599-12	CERAMIC 0.0047MF 20% 400V	
C617	1-102-116-00	CERAMIC 680PF 10% 50V	
C620	1-161-754-00	CERAMIC 0.001MF 10% 2KV	
C621	1-125-494-11	ELECT (BLOCK) 560MF 20% 160V	
C622	1-126-933-11	ELECT 100MF 20% 10V	
C625	1-162-318-11	CERAMIC 0.001MF 10% 500V	
C626	1-126-943-11	ELECT 2200MF 20% 25V	
C627	1-162-318-11	CERAMIC 0.001MF 10% 500V	
C628	1-126-943-11	ELECT 2200MF 20% 25V	
C629	1-162-318-11	CERAMIC 0.001MF 10% 500V	
C630	1-126-953-11	ELECT 2200MF 20% 35V	
C640	1-126-972-31	ELECT 1000MF 20% 50V	
C642	1-126-967-11	ELECT 47MF 20% 50V	
C643	1-126-964-11	ELECT 10MF 20% 50V	
C644	1-126-964-11	ELECT 10MF 20% 50V	
C645	1-126-933-11	ELECT 100MF 20% 10V	
C646	1-126-964-11	ELECT 10MF 20% 50V	
C647	1-126-933-11	ELECT 100MF 20% 16V	
C660	Δ 1-161-742-00	CERAMIC 0.0022MF 20% 400V	
C661	Δ 1-161-742-00	CERAMIC 0.0022MF 20% 400V	

<CONNECTOR>

CN601	*1-580-843-11	PIN, CONNECTOR (POWER)
CN605	*1-564-508-11	PLUG, CONNECTOR 5P
CN606	*1-573-986-11	PIN, CONNECTOR (PC BOARD) 5P
CN607	*1-564-507-11	PLUG, CONNECTOR 4P
CN609	*1-691-134-11	PIN, CONNECTOR (PC BOARD) 2P

<DIODE>

D601	8-719-022-99	DIODE D6SB60L
D604	8-719-979-58	DIODE EGP10D
D605	8-719-911-19	DIODE 1SS119
D607	8-719-979-58	DIODE EGP10D
D620	8-719-029-04	DIODE D5L60
D621	8-719-920-67	DIODE ERC91-02
D622	8-719-045-48	DIODE FML-G12S
D623	8-719-920-67	DIODE ERC91-02
D625	8-719-911-19	DIODE 1SS119
D640	8-719-511-40	DIODE 1SVB40
D641	8-719-911-19	DIODE 1SS119
D643	8-719-911-19	DIODE 1SS119
D645	8-719-110-36	DIODE RD13ESB2
D646	8-719-911-19	DIODE 1SS119
D647	8-719-109-89	DIODE RD5.6ESB2
D648	8-719-911-19	DIODE 1SS119

<FUSE>

F601	Δ 1-532-748-11	FUSE, GLASS TUBE (6.3A/125V)
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<FERRITE BEAD>

FB601	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH
FB602	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH
FB603	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH
FB604	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH
FB605	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH
FB606	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH
FB607	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH
FB608	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH
FB609	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH
FB620	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH

REF.NO.	PART NO.	DESCRIPTION	REMARK
FB621	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
FB622	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
FB623	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
<IC>			
IC601	8-749-010-03	IC STR-M6515A	
IC620	8-749-920-61	IC SE-135N	
IC641	8-759-701-56	IC NJM78M05FA	
<COIL>			
L620	1-406-663-21	COIL, CHOKE 47UH	
L621	1-412-533-21	INDUCTOR 47UH	
L622	1-412-533-21	INDUCTOR 47UH	
L623	1-412-527-11	INDUCTOR 15UH	
L624	1-412-527-11	INDUCTOR 15UH	

<PHOTO COUPLER>

PH602	Δ 8-749-923-50	PHOTO COUPLER PC111YS
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<IC LINK>

PS620	Δ 1-532-686-21	LINK, IC 2.7A
PS622	Δ 1-532-686-21	LINK, IC 2.7A


<TRANSISTOR>

Q601	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q620	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q621	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q641	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q642	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q643	8-729-140-96	TRANSISTOR 2SD774-34
Q644	8-729-140-97	TRANSISTOR 2SB734-34
Q645	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q646	8-729-119-78	TRANSISTOR 2SC2785-HFE

<RESISTOR>

R601	Δ 1-202-719-00	SOLID 1W 20% 1/2W
R602	1-202-981-11	WIREWOUND 0.82 5% 20W
R603	1-215-928-71	METAL OXIDE 68K 5% 3W F
R605	1-216-381-11	METAL OXIDE 0.22 5% 3W F
R606	1-216-381-11	METAL OXIDE 0.22 5% 3W F
R607	1-249-415-11	CARBON 680 5% 1/4W
R608	1-249-418-11	CARBON 1.2K 5% 1/4W
R610	1-249-424-11	CARBON 3.9K 5% 1/4W F
R611	1-249-424-11	CARBON 3.9K 5% 1/4W F
R613	1-249-417-11	CARBON 1K 5% 1/4W
R614	1-249-388-11	CARBON 3.9 5% 1/4W F
R615	1-249-417-11	CARBON 1K 5% 1/4W
R619	1-249-421-11	CARBON 2.2K 5% 1/4W
R620	Δ 1-218-265-11	METAL 8.2M 5% 1W
R627	1-249-377-11	CARBON 0.47 5% 1/4W F
R628	1-249-377-11	CARBON 0.47 5% 1/4W F
R629	1-249-377-11	CARBON 0.47 5% 1/4W F
R630	1-249-437-11	CARBON 47K 5% 1/4W
R631	1-215-472-00	METAL 130K 1% 1/4W
R632	1-216-386-11	METAL OXIDE 0.56 5% 3W F
R633	1-216-386-11	METAL OXIDE 0.56 5% 3W F
R634	1-215-445-00	METAL 10K 1% 1/4W
R636	1-216-482-11	METAL OXIDE 1.8K 5% 3W F
R637	1-216-357-00	METAL OXIDE 4.7 5% 1W F

G (PVM-2950QM)

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	QTY	REMARK
C626	1-104-868-11	ELECT	2200MF	25V
C627	1-162-318-11	CERAMIC	0.001MF	500V
C628	1-104-868-11	ELECT	2200MF	25V
C629	1-162-318-11	CERAMIC	0.001MF	500V
C630	1-104-877-11	ELECT	2200MF	35V
C640	1-126-952-11	ELECT	1000MF	35V
C642	1-126-967-11	ELECT	47MF	50V
C643	1-126-964-11	ELECT	10MF	50V
C644	1-126-964-11	ELECT	10MF	50V
C645	1-126-933-11	ELECT	100MF	10V
C646	1-126-964-11	ELECT	10MF	50V
C647	1-126-933-11	ELECT	100MF	10V
C660	1-161-742-00	CERAMIC	0.0022MF	400V
C661	1-161-742-00	CERAMIC	0.0022MF	400V
<CONNECTOR>				

<CONNECTOR>	
CN601	*1-580-843-11 PIN, CONNECTOR (POWER)
CN605	*1-564-508-11 PLUG, CONNECTOR 5P
CN606	*1-573-986-11 PIN, CONNECTOR (PC BOARD) 5P
CN607	*1-564-507-11 PLUG, CONNECTOR 4P
CN609	*1-691-134-11 PIN, CONNECTOR (PC BOARD) 2P

<DIODE>			
D601	8-719-510-53	DIODE	D4SB60L
D603	8-719-311-31	DIODE	RU-1P
D604	8-719-979-58	DIODE	EGP10D
D605	8-719-911-19	DIODE	1SS119
D607	8-719-979-58	DIODE	EGP10D

D620	8-719-029-04	DIODE D5L60
D621	8-719-045-48	DIODE FML-G12S
D622	8-719-045-48	DIODE FML-G12S
D623	8-719-920-67	DIODE ERC91-02
D625	8-719-911-19	DIODE 1SS119

D640	8-719-511-40	DIODE S1VB40
D641	8-719-911-19	DIODE 1SS119
D643	8-719-911-19	DIODE 1SS119
D645	8-719-110-36	DIODE RD13ESB2
D646	8-719-911-19	DIODE 1SS119

F601 A 1-576-232-21 FUSE (H.B.C.) (5.0A/250V)

<FERRITE BEAD>

FB601	1-410-397-21	FERRITE BEAD	INDUCTOR	1.1UH
FB602	1-410-396-41	FERRITE BEAD	INDUCTOR	0.45UH
FB603	1-410-396-41	FERRITE BEAD	INDUCTOR	0.45UH
FB604	1-410-396-41	FERRITE BEAD	INDUCTOR	0.45UH
FB605	1-410-396-41	FERRITE BEAD	INDUCTOR	0.45UH

FB606	1-410-396-41	FERRITE BEAD INDUCTOR	0.45UH
FB607	1-410-396-41	FERRITE BEAD INDUCTOR	0.45UH
FB608	1-410-396-41	FERRITE BEAD INDUCTOR	0.45UH
FB609	1-410-396-41	FERRITE BEAD INDUCTOR	0.45UH
FB620	1-410-396-41	FERRITE BEAD INDUCTOR	0.45UH

FB621	1-410-396-41	FERRITE BEAD	INDUCTOR 0.45UH
FB622	1-410-396-41	FERRITE BEAD	INDUCTOR 0.45UH
FB623	1-410-396-41	FERRITE BEAD	INDUCTOR 0.45UH

<IC>		
IC601	8-749-925-03	IC STR-M6524
IC620	8-749-010-02	IC STR-S3135

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.


PVM-2950Q/2950QM
RM-854


G (PVM-2950QM)

C

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
IC641	8-759-701-56	IC NJM78M05FA		R643	1-249-424-11	CARBON 3.9K 5% 1/4W	
<COIL>				R644	1-249-429-11	CARBON 10K 5% 1/4W	
L601	1-459-946-11	COIL, NOISE FILTER		R645	1-249-433-11	CARBON 22K 5% 1/4W	
L620	1-406-663-21	COIL, CHOKE 47UH		R646	1-249-424-11	CARBON 3.9K 5% 1/4W	
L621	1-412-533-21	INDUCTOR 47UH		R647	1-249-429-11	CARBON 10K 5% 1/4W	
L622	1-412-533-21	INDUCTOR 47UH		R648	1-249-417-11	CARBON 1K 5% 1/4W	
L623	1-412-527-11	INDUCTOR 15UH		R649	1-247-895-00	CARBON 470K 5% 1/4W	
L624	1-412-527-11	INDUCTOR 15UH		R650	1-259-881-11	CARBON 2.7M 5% 1/4W	
<PHOTO COUPLER>				R660	Δ 1-247-903-00	CARBON 1M 5% 1/4W	
PH602	Δ 8-749-923-50	PHOTO COUPLER PC111YS		R661	1-216-492-11	METAL OXIDE 82K 5% 3W F	
<IC LINK>				<RELAY>			
PS620	Δ 1-532-686-21	LINK, IC 2.7A		RY601	Δ 1-515-738-11	RELAY	
PS622	Δ 1-532-686-21	LINK, IC 2.7A		RY602	Δ 1-515-738-11	RELAY	
<TRANSISTOR>				<TRANSFORMER>			
Q601	8-729-119-76	TRANSISTOR 2SA1175-HFE		T601	Δ 1-426-716-11	TRANSFORMER, LINE FILTER (LFT)	
Q602	8-729-119-78	TRANSISTOR 2SC2785-HFE		T602	Δ 1-426-716-11	TRANSFORMER, LINE FILTER (LFT)	
Q620	8-729-119-78	TRANSISTOR 2SC2785-HFE		T603	Δ 1-426-945-11	TRANSFORMER, POWER	
Q621	8-729-119-76	TRANSISTOR 2SA1175-HFE		T604	Δ 1-426-947-11	TRANSFORMER, CONVERTER (SRT)	
Q641	8-729-119-78	TRANSISTOR 2SC2785-HFE		<VARISTOR>			
Q642	8-729-119-78	TRANSISTOR 2SC2785-HFE		VDR601	Δ 1-810-271-21	VARISTOR ZNR-14DK471U	
Q643	8-729-140-96	TRANSISTOR 2SD774-34		*****			
<RESISTOR>				*A-1331-344-A C BOARD, COMPLETE			
R601	Δ 1-202-719-00	SOLID 1M 20% 1/2W		*****			
R602	1-215-929-11	METAL OXIDE 100K 5% 3W F		4-382-854-11 SCREW (M3X10), P, SW (+)			
R603	1-216-492-11	METAL OXIDE 82K 5% 3W F		<CAPACITOR>			
R604	1-215-929-11	METAL OXIDE 100K 5% 3W F		C701	1-102-212-00	CERAMIC 820PF 10% 500V	
R605	1-216-382-11	METAL OXIDE 0.27 5% 3W F		C702	1-102-116-00	CERAMIC 680PF 10% 50V	
R606	1-216-383-11	METAL OXIDE 0.33 5% 3W F		C703	1-102-074-00	CERAMIC 0.001MF 10% 50V	
R607	1-249-415-11	CARBON 680 5% 1/4W		C704	1-126-964-11	ELECT 10MF 20% 50V	
R608	1-249-418-11	CARBON 1.2K 5% 1/4W		C705	1-101-004-00	CERAMIC 0.01MF 50V	
R609	1-249-437-11	CARBON 47K 5% 1/4W F		C706	1-130-495-00	MYLAR 0.1MF 5% 50V	
R610	1-249-425-11	CARBON 4.7K 5% 1/4W F		C707	1-130-495-00	MYLAR 0.1MF 5% 50V	
R611	1-249-425-11	CARBON 4.7K 5% 1/4W F		C709	1-129-720-00	FILM 0.033MF 10% 400V	
R613	1-249-417-11	CARBON 1K 5% 1/4W		C711	1-136-601-11	FILM 0.01MF 10% 630V	
R614	1-249-385-11	CARBON 2.2 5% 1/4W F		C713	1-162-116-00	CERAMIC 680PF 10% 2KV	
R615	1-249-417-11	CARBON 1K 5% 1/4W		C714	1-107-654-11	ELECT 33MF 20% 250V	
R616	1-249-417-11	CARBON 1K 5% 1/4W		C715	1-102-074-00	CERAMIC 0.001MF 10% 50V	
R617	1-247-811-31	CARBON 150 5% 1/4W		C716	1-102-074-00	CERAMIC 0.001MF 10% 50V	
R618	1-249-419-11	CARBON 1.5K 5% 1/4W		C717	1-102-074-00	CERAMIC 0.001MF 10% 50V	
R619	1-249-421-11	CARBON 2.2K 5% 1/4W		C719	1-107-651-11	ELECT 4.7MF 20% 250V	
R627	1-249-377-11	CARBON 0.47 5% 1/4W F		C771	1-102-121-00	CERAMIC 0.0022MF 10% 50V	
R628	1-249-377-11	CARBON 0.47 5% 1/4W F		C781	1-126-964-11	ELECT 10MF 20% 50V	
R629	1-249-377-11	CARBON 0.47 5% 1/4W F		C782	1-101-004-00	CERAMIC 0.01MF 50V	
R630	1-249-437-11	CARBON 47K 5% 1/4W		C790	1-102-973-00	CERAMIC 100PF 5% 50V	
R631	1-215-472-00	METAL 130K 1% 1/4W		C791	1-101-004-00	CERAMIC 0.01MF 50V	
R632	1-216-386-11	METAL OXIDE 0.56 5% 3W F		<CONNECTOR>			
R633	1-216-386-11	METAL OXIDE 0.56 5% 3W F		CN702	*1-564-512-11	PLUG, CONNECTOR 9P	
R634	1-215-445-00	METAL 10K 1% 1/4W		CN703	*1-573-964-11	PIN, CONNECTOR (PC BOARD) 6P	
R636	1-216-482-11	METAL OXIDE 1.8K 5% 3W F		<DIODE>			
R637	1-216-357-00	METAL OXIDE 4.7 5% 1W F		D704	8-719-911-19	DIODE 1SS119	
R638	1-249-433-11	CARBON 22K 5% 1/4W					
R639	1-259-884-11	CARBON 4.7M 5% 1/4W					
R642	1-216-422-11	METAL OXIDE 18 5% 1W F					

C	V
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Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark  are critical for safety.
Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK
D705	8-719-911-19	DIODE 1SS119	
D706	8-719-911-19	DIODE 1SS119	
D761	8-719-911-19	DIODE 1SS119	
D762	8-719-911-19	DIODE 1SS119	
D763	8-719-911-19	DIODE 1SS119	
D771	8-719-109-84	DIODE RD5.1ESB1	
D772	8-719-911-19	DIODE 1SS119	
D781	8-719-901-83	DIODE 1SS83	
D782	8-719-901-83	DIODE 1SS83	
D783	8-719-901-83	DIODE 1SS83	
D784	8-719-901-83	DIODE 1SS83	
<IC>			
IC701	8-759-140-53	IC UPD4053BC	
<JACK>			
J701 A	1-540-223-11	SOCKET, PICTURE TUBE	
<COIL>			
L707	1-410-671-31	INDUCTOR 47UH	
<TRANSISTOR>			
Q701	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q702	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q703	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q704	8-729-326-11	TRANSISTOR 2SC2611	
Q705	8-729-326-11	TRANSISTOR 2SC2611	
Q706	8-729-326-11	TRANSISTOR 2SC2611	
Q761	8-729-200-17	TRANSISTOR 2SA1091-O	
Q762	8-729-200-17	TRANSISTOR 2SA1091-O	
Q763	8-729-200-17	TRANSISTOR 2SA1091-O	
Q771	8-729-255-12	TRANSISTOR 2SC2551-O	
Q772	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q773	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q781	8-729-200-17	TRANSISTOR 2SA1091-O	
Q782	8-729-200-17	TRANSISTOR 2SA1091-O	
Q783	8-729-200-17	TRANSISTOR 2SA1091-O	
Q784	8-729-255-12	TRANSISTOR 2SC2551-O	
Q790	8-729-119-76	TRANSISTOR 2SA1175-HFE	
<RESISTOR>			
R701	1-249-406-11	CARBON 120 5% 1/4W	
R702	1-249-406-11	CARBON 120 5% 1/4W	
R703	1-249-406-11	CARBON 120 5% 1/4W	
R704	1-249-393-11	CARBON 10 5% 1/4W	
R705	1-249-393-11	CARBON 10 5% 1/4W	
R706	1-249-393-11	CARBON 10 5% 1/4W	
R707	1-249-415-11	CARBON 680 5% 1/4W	
R713	1-249-415-11	CARBON 680 5% 1/4W	
R714	1-249-415-11	CARBON 680 5% 1/4W	
R719	1-216-483-11	METAL OXIDE 2.7K 5% 3W F	
R722	1-216-483-11	METAL OXIDE 2.7K 5% 3W F	
R725	1-216-483-11	METAL OXIDE 2.7K 5% 3W F	
R727	1-202-818-00	SOLID 1K 20% 1/2W	
R728	1-202-818-00	SOLID 1K 20% 1/2W	
R729	1-202-818-00	SOLID 1K 20% 1/2W	
R730	1-202-549-00	SOLID 100 10% 1/2W	
R735	1-216-367-11	METAL OXIDE 0.68 5% 2W F	
R739	1-202-813-00	SOLID 22K 20% 1/2W	
R741	1-202-842-11	SOLID 220K 20% 1/2W	
R747	1-202-883-11	SOLID 680K 20% 1/2W	
R748	1-202-838-00	SOLID 100K 20% 1/2W	
R751	1-216-483-11	METAL OXIDE 2.7K 5% 3W F	
R754	1-216-483-11	METAL OXIDE 2.7K 5% 3W F	
R757	1-216-483-11	METAL OXIDE 2.7K 5% 3W F	
R760	1-249-434-11	CARBON 27K 5% 1/4W	
R761	1-260-328-11	CARBON 1K 5% 1/2W	
R762	1-260-328-11	CARBON 1K 5% 1/2W	
R763	1-260-328-11	CARBON 1K 5% 1/2W	
R771	1-249-425-11	CARBON 4.7K 5% 1/4W	
R772	1-249-429-11	CARBON 10K 5% 1/4W	
R773	1-215-904-11	METAL OXIDE 100K 5% 2W F	
R774	1-247-895-00	CARBON 470K 5% 1/4W	
R775	1-249-425-11	CARBON 4.7K 5% 1/4W	
R776	1-249-425-11	CARBON 4.7K 5% 1/4W	
R777	1-247-887-00	CARBON 220K 5% 1/4W	
R781	1-260-352-11	CARBON 100K 5% 1/2W	
R782	1-260-352-11	CARBON 100K 5% 1/2W	
R783	1-260-352-11	CARBON 100K 5% 1/2W	
R784	1-215-904-11	METAL OXIDE 100K 5% 2W F	
R790	1-249-427-11	CARBON 6.8K 5% 1/4W	
R791	1-247-807-31	CARBON 100 5% 1/4W	

V VC

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C978	1-130-471-00	MYLAR 0.001MF	5% 50V	R989	1-249-413-11	CARBON 470 5% 1/4W	
C979	1-130-471-00	MYLAR 0.001MF	5% 50V	R990	1-216-475-11	METAL OXIDE 120 5% 3W F	
C980	1-126-964-11	ELECT 10MF	20% 50V	R991	1-249-409-11	CARBON 220 5% 1/4W	
<CONNECTOR>				*****			
CN901	*1-564-512-11	PLUG, CONNECTOR 9P		*A-1347-093-A	VC BOARD, COMPLETE	*****	
<DIODE>				<CAPACITOR>			
D961	8-719-911-19	DIODE 1SS119		C1801	1-124-126-00	ELECT 47MF 20% 16V	
D963	8-719-911-19	DIODE 1SS119		C1803	1-124-126-00	ELECT 47MF 20% 16V	
D964	8-719-911-19	DIODE 1SS119		C1804	1-124-126-00	ELECT 47MF 20% 16V	
D965	8-719-911-19	DIODE 1SS119		C1805	1-136-157-00	FILM 0.022MF 5% 50V	
D966	8-719-911-19	DIODE 1SS119		C1808	1-130-471-00	MYLAR 0.001MF 5% 50V	
D967	8-719-110-88	DIODE RD39ESB2		C1809	1-130-471-00	MYLAR 0.001MF 5% 50V	
D968	8-719-110-88	DIODE RD39ESB2		C1810	1-136-171-00	FILM 0.33MF 5% 50V	
<COIL>				C1811	1-136-171-00	FILM 0.33MF 5% 50V	
L962	1-408-416-00	INDUCTOR 39UH		C1812	1-126-320-11	ELECT 10MF 20% 16V	
<TRANSISTOR>				C1817	1-104-665-11	ELECT 100MF 20% 25V	
Q961	8-729-119-78	TRANSISTOR 2SC2785-HFE		C1820	1-107-710-11	ELECT 100MF 20% 35V	
Q962	8-729-119-76	TRANSISTOR 2SA1175-HFE		C1850	1-136-153-00	FILM 0.01MF 5% 50V	
Q963	8-729-809-26	TRANSISTOR 2SA1606-E		<CONNECTOR>			
Q964	8-729-119-78	TRANSISTOR 2SC2785-HFE		CN801	1-573-300-11	CONNECTOR, BOARD TO BOARD 18P	
Q965	8-729-809-29	TRANSISTOR 2SC4159-E		CN1850	1-564-517-11	PLUG, CONNECTOR 2P	
Q966	8-729-119-78	TRANSISTOR 2SC2785-HFE		<DIODE>			
Q967	8-729-142-86	TRANSISTOR 2SC3733		D1801	8-719-109-93	DIODE RD6.2ESB2	
Q968	8-729-119-78	TRANSISTOR 2SC2785-HFE		D1802	8-719-109-93	DIODE RD6.2ESB2	
<RESISTOR>				D1806	8-719-911-19	DIODE 1SS119	
R951	1-249-434-11	CARBON 27K 5% 1/4W		D1817	8-719-987-87	DIODE ERA85-009	
R952	1-249-423-11	CARBON 3.3K 5% 1/4W		D1818	8-719-987-87	DIODE ERA85-009	
R953	1-249-423-11	CARBON 3.3K 5% 1/4W		D1822	8-719-109-93	DIODE RD6.2ESB2	
R954	1-247-903-00	CARBON 1M 5% 1/4W		D1823	8-719-109-93	DIODE RD6.2ESB2	
R955	1-249-421-11	CARBON 2.2K 5% 1/4W		D1824	8-719-987-87	DIODE ERA85-009	
R962	1-249-409-11	CARBON 220 5% 1/4W		D1850	8-719-911-19	DIODE 1SS119	
R963	1-249-419-11	CARBON 1.5K 5% 1/4W		<IC>			
R964	1-260-311-11	CARBON 39 5% 1/2W		IC1801	8-759-231-53	IC TA7805S	
R965	1-249-414-11	CARBON 560 5% 1/4W F		IC1802	8-759-135-80	IC UPC358C	
R966	1-249-418-11	CARBON 1.2K 5% 1/4W		IC1803	8-759-902-21	IC SN74LS221N	
R968	1-249-418-11	CARBON 1.2K 5% 1/4W		IC1850	8-759-603-37	IC M5216P	
R969	1-249-384-11	CARBON 1.8 5% 1/4W F		<TRANSISTOR>			
R970	1-249-435-11	CARBON 33K 5% 1/4W		Q1801	8-729-119-78	TRANSISTOR 2SC2785-HFE	
R972	1-249-432-11	CARBON 18K 5% 1/4W		Q1802	8-729-119-76	TRANSISTOR 2SA1175-HFE	
R974	1-216-476-11	METAL OXIDE 180 5% 3W F		Q1803	8-729-119-78	TRANSISTOR 2SC2785-HFE	
R975	1-249-417-11	CARBON 1K 5% 1/4W F		Q1804	8-729-119-76	TRANSISTOR 2SA1175-HFE	
R976	1-249-432-11	CARBON 18K 5% 1/4W		Q1805	8-729-119-78	TRANSISTOR 2SC2785-HFE	
R977	1-249-438-11	CARBON 56K 5% 1/4W		Q1806	8-729-385-82	TRANSISTOR 2SB858-C	
R978	1-249-430-11	CARBON 12K 5% 1/4W		Q1807	8-729-809-26	TRANSISTOR 2SA1606-E	
R979	1-249-414-11	CARBON 560 5% 1/4W		Q1808	8-729-809-29	TRANSISTOR 2SC4159-E	
R980	1-249-420-11	CARBON 1.8K 5% 1/4W		Q1809	8-729-119-76	TRANSISTOR 2SA1175-HFE	
R981	1-249-415-11	CARBON 680 5% 1/4W		Q1810	8-729-119-78	TRANSISTOR 2SC2785-HFE	
R982	1-249-384-11	CARBON 1.8 5% 1/4W F		Q1811	8-729-208-71	TRANSISTOR 2SC3298B-0	
R983	1-249-441-11	CARBON 100K 5% 1/4W		Q1850	8-729-119-78	TRANSISTOR 2SC2785-HFE	
R984	1-247-807-31	CARBON 100 5% 1/4W		Q1851	8-729-119-78	TRANSISTOR 2SC2785-HFE	
R985	1-249-400-11	CARBON 39 5% 1/4W F					
R986	1-249-435-11	CARBON 33K 5% 1/4W					
R987	1-249-428-11	CARBON 8.2K 5% 1/4W					
R988	1-249-415-11	CARBON 680 5% 1/4W					

VC H3

REF. NO.	PART NO.	DESCRIPTION	QTY	UNIT	REMARK	REF. NO.	PART NO.	DESCRIPTION	QTY	UNIT	REMARK
<RESISTOR>						D874	8-719-404-46	DIODE MA110			
R1801	1-215-866-11	METAL OXIDE	330	5%	1W	D875	8-719-404-46	DIODE MA110			
R1802	1-247-887-00	CARBON	220K	5%	1/4W	D876	8-719-404-46	DIODE MA110			
R1803	1-215-467-00	METAL	82K	1%	1/4W						
R1806	1-217-477-00	FUSIBLE	4.7	5%	1W						
R1808	1-247-887-00	CARBON	220K	5%	1/4W						
R1811	1-249-429-11	CARBON	10K	5%	1/4W						
R1812	1-249-417-11	CARBON	1K	5%	1/4W						
R1813	1-215-473-00	METAL	150K	1%	1/4W						
R1814	1-249-429-11	CARBON	10K	5%	1/4W						
R1818	1-213-070-00	FUSIBLE	27	5%	1W						
R1819	1-215-913-11	METAL OXIDE	220	5%	3W						
R1820	1-216-451-11	METAL OXIDE	120	5%	2W						
R1822	1-249-409-11	CARBON	220	5%	1/4W						
R1823	1-249-401-11	CARBON	47	5%	1/4W						
R1825	1-215-455-00	METAL	27K	1%	1/4W						
R1828	1-215-866-11	METAL OXIDE	330	5%	1W						
R1829	1-213-070-00	FUSIBLE	27	5%	1W						
R1830	1-217-477-00	FUSIBLE	4.7	5%	1W						
R1831	1-216-429-00	METAL OXIDE	270	5%	1W						
R1846	1-249-429-11	CARBON	10K	5%	1/4W						
R1850	1-249-417-11	CARBON	1K	5%	1/4W						
R1851	1-215-451-00	METAL	18K	1%	1/4W						
R1852	1-215-455-00	METAL	27K	1%	1/4W						
R1853	1-215-452-00	METAL	20K	1%	1/4W						
R1854	1-215-447-00	METAL	12K	1%	1/4W						
R1855	1-215-445-00	METAL	10K	1%	1/4W						
R1856	1-215-427-00	METAL	1.8K	1%	1/4W						
R1857	1-249-422-11	CARBON	2.7K	5%	1/4W						
R1858	1-249-429-11	CARBON	10K	5%	1/4W						
R1859	1-249-422-11	CARBON	2.7K	5%	1/4W						
R1860	1-249-429-11	CARBON	10K	5%	1/4W						
<VARIABLE RESISTOR>											
RV1801	1-241-766-11	RES. ADJ. CERMET 47K									

*A-1372-005-A H3 BOARD, COMPLETE											

<CAPACITOR>											
C871	1-126-924-11	ELECT	330MF	20%	10V						
C872	1-163-035-00	CERAMIC CHIP	0.047MF		50V						
C873	1-126-952-11	ELECT	1000MF	20%	16V						
C874	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V						
C875	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V						
<CONNECTOR>											
CN871	*1-564-506-11	PLUG, CONNECTOR 3P									
CN872	1-564-511-11	PLUG, CONNECTOR 8P									
CN873	*1-564-513-11	PLUG, CONNECTOR 10P									
CN874	*1-564-509-11	PLUG, CONNECTOR 6P									
CN875	1-564-505-11	PLUG, CONNECTOR 2P									
CN877	*1-573-299-11	CONNECTOR, BOARD TO BOARD 10P									
<DIODE>											
D871	8-719-404-46	DIODE MA110									
D872	8-719-404-46	DIODE MA110									
D873	8-719-404-46	DIODE MA110									
<CRYSTAL>											
X871	1-577-082-11	VIBRATOR, CERAMIC									

UA UJ

REF.NO.	PART NO.	DESCRIPTION	REMARK
*A-1373-467-A	UA BOARD, COMPLETE	*****	
<CAPACITOR>			
C171	1-126-933-11	ELECT 100MF 20%	10V
C172	1-126-964-11	ELECT 10MF 20%	50V
C173	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C174	1-126-964-11	ELECT 10MF 20%	50V
C175	1-126-096-11	ELECT 10MF 20%	25V
C176	1-126-096-11	ELECT 10MF 20%	25V
C177	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C178	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
<CONNECTOR>			
CN171	1-691-803-11	SOCKET, DIN	
CN172	*1-564-520-11	PLUG, CONNECTOR 5P	
CN173	*1-564-518-11	PLUG, CONNECTOR 3P	
CN175	*1-564-520-11	PLUG, CONNECTOR 5P	
<DIODE>			
D171	8-719-110-17	DIODE RD10ESB2	
D172	8-719-110-17	DIODE RD10ESB2	
D173	8-719-911-19	DIODE 1SS119	
D174	8-719-404-46	DIODE MA110	
D175	8-719-404-46	DIODE MA110	
D176	8-719-404-46	DIODE MA110	
D177	8-719-404-46	DIODE MA110	
<IC>			
IC171	8-759-065-85	IC MAX232N	
<JACK>			
J171	1-563-760-11	JACK, MINIATURER (DIA. 3.5)	
J172	1-563-760-11	JACK, MINIATURER (DIA. 3.5)	
<COIL>			
L171	1-422-613-11	COIL, AIR CORE	
L172	1-422-613-11	COIL, AIR CORE	
L173	1-422-613-11	COIL, AIR CORE	
L174	1-422-613-11	COIL, AIR CORE	
L175	1-422-613-11	COIL, AIR CORE	
L176	1-422-613-11	COIL, AIR CORE	
L177	1-422-613-11	COIL, AIR CORE	
L178	1-422-613-11	COIL, AIR CORE	
<TRANSISTOR>			
Q171	8-729-901-01	TRANSISTOR DTC144EK	
Q172	8-729-901-06	TRANSISTOR DTA144EK	
<RESISTOR>			
R171	1-216-025-00	METAL GLAZE 100 5%	1/10W
R172	1-216-025-00	METAL GLAZE 100 5%	1/10W
R173	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R174	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R175	1-216-049-00	METAL GLAZE 1K 5%	1/10W

REF.NO.	PART NO.	DESCRIPTION	REMARK
R176	1-216-025-00	METAL GLAZE 100 5%	1/10W
R177	1-216-049-00	METAL GLAZE 1K 5%	1/10W
<TAB>			
TB171	1-537-187-11	TERMINAL, PUSH (4P)	

*A-1373-468-A	UJ BOARD, COMPLETE	*****	
<CAPACITOR>			
C101	1-124-589-11	ELECT 47MF 20%	16V
C102	1-124-589-11	ELECT 47MF 20%	16V
C103	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C104	1-126-157-11	ELECT 10MF 20%	16V
C105	1-126-157-11	ELECT 10MF 20%	16V
C106	1-124-589-11	ELECT 47MF 20%	16V
C107	1-124-589-11	ELECT 47MF 20%	16V
C108	1-126-157-11	ELECT 10MF 20%	16V
C109	1-126-157-11	ELECT 10MF 20%	16V
C110	1-124-589-11	ELECT 47MF 20%	16V
C111	1-124-589-11	ELECT 47MF 20%	16V
C112	1-124-589-11	ELECT 47MF 20%	16V
C113	1-126-157-11	ELECT 10MF 20%	16V
C114	1-126-157-11	ELECT 10MF 20%	16V
C115	1-124-767-00	ELECT 2.2MF 20%	50V
C116	1-124-767-00	ELECT 2.2MF 20%	50V
C117	1-124-589-11	ELECT 47MF 20%	16V
C118	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C119	1-163-035-00	CERAMIC CHIP 0.047MF	50V
C120	1-163-123-00	CERAMIC CHIP 180PF	5% 50V
<CONNECTOR>			
CN101	*1-566-641-11	CONNECTOR, HINGE (TAB) 18P	
CN102	*1-566-641-11	CONNECTOR, HINGE (TAB) 18P	
CN103	1-564-517-11	PLUG, CONNECTOR 2P	
<DIODE>			
D101	8-719-110-17	DIODE RD10ESB2	
D102	8-719-110-17	DIODE RD10ESB2	
D103	8-719-110-17	DIODE RD10ESB2	
D104	8-719-110-17	DIODE RD10ESB2	
D105	8-719-110-17	DIODE RD10ESB2	
D106	8-719-110-17	DIODE RD10ESB2	
D107	8-719-110-17	DIODE RD10ESB2	
D108	8-719-110-17	DIODE RD10ESB2	
D109	8-719-110-17	DIODE RD10ESB2	
D110	8-719-110-17	DIODE RD10ESB2	
D111	8-719-110-17	DIODE RD10ESB2	
D112	8-719-110-17	DIODE RD10ESB2	
D113	8-719-110-17	DIODE RD10ESB2	
D114	8-719-110-17	DIODE RD10ESB2	
D115	8-719-109-89	DIODE RD5.6ESB2	
D116	8-719-109-89	DIODE RD5.6ESB2	
D117	8-719-110-17	DIODE RD10ESB2	
<JACK>			
J101	1-573-969-11	JACK BLOCK, PIN	
J102	1-573-969-11	JACK BLOCK, PIN	

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C261	1-163-035-00	CERAMIC CHIP 0.047MF	50V	Q204	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C262	1-124-126-00	ELECT 47MF	20%	Q205	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C263	1-163-243-11	CERAMIC CHIP 47PF	5%				
C270	1-124-903-11	ELECT 1MF	20%	Q206	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C271	1-124-927-11	ELECT 4.7MF	20%	Q207	8-729-216-22	TRANSISTOR 2SA1162-G	
				Q208	8-729-216-22	TRANSISTOR 2SA1162-G	
C272	1-124-903-11	ELECT 1MF	20%	Q211	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C273	1-124-126-00	ELECT 47MF	20%	Q212	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C274	1-163-035-00	CERAMIC CHIP 0.047MF	50V				
C275	1-124-126-00	ELECT 47MF	20%	Q213	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C276	1-136-167-00	FILM 0.15MF	5%	Q214	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
				Q215	8-729-216-22	TRANSISTOR 2SA1162-G	
C277	1-136-157-00	FILM 0.022MF	5%	Q216	8-729-901-01	TRANSISTOR DTC144EK	
C278	1-124-925-11	ELECT 2.2MF	20%	Q217	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C279	1-163-249-11	CERAMIC CHIP 82PF	5%				
C280	1-137-364-11	FILM 0.001MF	5%	Q218	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C281	1-163-251-11	CERAMIC CHIP 100PF	5%	Q219	8-729-216-22	TRANSISTOR 2SA1162-G	
				Q220	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C282	1-124-126-00	ELECT 47MF	20%	Q221	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C283	1-163-035-00	CERAMIC CHIP 0.047MF	50V	Q222	8-729-901-01	TRANSISTOR DTC144EK	
C290	1-124-927-11	ELECT 4.7MF	20%				
<CONNECTOR>				Q223	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
CN201	*1-566-367-11	CONNECTOR, HINGE (RECEPTACLE)		Q224	8-729-216-22	TRANSISTOR 2SA1162-G	
CN202	*1-566-367-11	CONNECTOR, HINGE (RECEPTACLE)		Q225	8-729-216-22	TRANSISTOR 2SA1162-G	
CN203	*1-564-506-11	PLUG, CONNECTOR 3P		Q226	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
CN204	1-573-300-11	CONNECTOR, BOARD TO BOARD 18P		Q227	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
CN205	1-573-300-11	CONNECTOR, BOARD TO BOARD 18P					
CN206	1-564-505-11	PLUG, CONNECTOR 2P		Q228	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
<DIODE>				Q229	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D202	8-719-911-19	DIODE 1SS119		Q230	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D203	8-719-911-19	DIODE 1SS119		Q231	8-729-216-22	TRANSISTOR 2SA1162-G	
D205	8-719-911-19	DIODE 1SS119		Q232	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
D206	8-719-109-68	DIODE RD3.6ESB1					
<FILTER>				JR1	1-216-295-91	METAL GLAZE 0 5%	1/10W
FL201	1-239-550-11	FILTER, LOW PASS		JR2	1-216-295-91	METAL GLAZE 0 5%	1/10W
FL202	1-239-550-11	FILTER, LOW PASS		JR4	1-216-295-91	METAL GLAZE 0 5%	1/10W
FL203	1-239-550-11	FILTER, LOW PASS		R201	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
<IC>				R202	1-216-025-00	METAL GLAZE 100 5%	1/10W
IC201	8-752-067-28	IC CXA1545AS	22-31	R203	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
IC202	8-741-765-01	IC SBX1765-01		R204	1-216-025-00	METAL GLAZE 100 5%	1/10W
IC203	8-759-800-81	IC LA7016		R205	1-216-033-00	METAL GLAZE 220 5%	1/10W
IC204	8-759-245-75	IC TA8184P		R206	1-216-033-00	METAL GLAZE 220 5%	1/10W
IC205	8-752-058-68	IC CXA1315M		R207	1-216-049-00	METAL GLAZE 1K 5%	1/10W
IC206	8-759-009-82	IC MC14011BF-T2		R208	1-216-033-00	METAL GLAZE 220 5%	1/10W
IC207	8-759-800-81	IC LA7016		R209	1-216-033-00	METAL GLAZE 220 5%	1/10W
IC208	8-759-009-82	IC MC14011BF-T2		R210	1-216-033-00	METAL GLAZE 220 5%	1/10W
<COIL>				R211	1-216-081-00	METAL GLAZE 22K 5%	1/10W
L201	1-408-421-00	INDUCTOR 100UH		R212	1-216-081-00	METAL GLAZE 22K 5%	1/10W
L202	1-408-421-00	INDUCTOR 100UH		R213	1-216-081-00	METAL GLAZE 22K 5%	1/10W
L203	1-408-421-00	INDUCTOR 100UH		R214	1-216-081-00	METAL GLAZE 22K 5%	1/10W
L204	1-408-414-00	INDUCTOR 27UH		R215	1-216-089-91	METAL GLAZE 47K 5%	1/10W
L205	1-408-414-00	INDUCTOR 27UH		R217	1-216-081-00	METAL GLAZE 22K 5%	1/10W
<TRANSISTOR>				R218	1-216-089-91	METAL GLAZE 47K 5%	1/10W
Q201	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R219	1-216-049-00	METAL GLAZE 1K 5%	1/10W
Q202	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R220	1-216-049-00	METAL GLAZE 1K 5%	1/10W
Q203	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R221	1-216-081-00	METAL GLAZE 22K 5%	1/10W
				R222	1-216-049-00	METAL GLAZE 1K 5%	1/10W
				R223	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W
				R224	1-216-033-00	METAL GLAZE 220 5%	1/10W
				R225	1-216-033-00	METAL GLAZE 220 5%	1/10W
				R226	1-216-049-00	METAL GLAZE 1K 5%	1/10W
				R227	1-216-035-00	METAL GLAZE 270 5%	1/10W
				R228	1-216-049-00	METAL GLAZE 1K 5%	1/10W
				R229	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W
				R230	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
				R232	1-216-295-91	METAL GLAZE 0 5%	1/10W
				R233	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W

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REF.NO.	PART NO.	DESCRIPTION	QTY	UNIT	REMARK	REF.NO.	PART NO.	DESCRIPTION	QTY	UNIT	REMARK
R234	1-216-025-00	METAL GLAZE	100	5%	1/10W	R1209	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R235	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	R1210	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R236	1-216-081-00	METAL GLAZE	22K	5%	1/10W	R1211	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R237	1-216-077-00	METAL GLAZE	15K	5%	1/10W	R1212	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R238	1-216-077-00	METAL GLAZE	15K	5%	1/10W	R1213	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W
R239	1-216-043-00	METAL GLAZE	560	5%	1/10W	R1214	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R240	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	R1215	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R241	1-216-025-00	METAL GLAZE	100	5%	1/10W	R1216	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W
R242	1-216-025-00	METAL GLAZE	100	5%	1/10W	R1217	1-216-033-00	METAL GLAZE	220	5%	1/10W
R243	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W	R1218	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R248	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	R1219	1-216-115-00	METAL GLAZE	560K	5%	1/10W
R249	1-216-043-00	METAL GLAZE	560	5%	1/10W	R1220	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R250	1-216-077-00	METAL GLAZE	15K	5%	1/10W	R1221	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R251	1-216-081-00	METAL GLAZE	22K	5%	1/10W	R1222	1-216-085-00	METAL GLAZE	33K	5%	1/10W
R252	1-216-077-00	METAL GLAZE	15K	5%	1/10W	R1223	1-216-075-00	METAL GLAZE	12K	5%	1/10W
R253	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	<VARIABLE RESISTOR>					
R254	1-216-045-00	METAL GLAZE	680	5%	1/10W	RV201	1-241-761-11	RES, ADJ, CARBON 1K			
R255	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	RV202	1-241-763-11	RES, ADJ, CARBON 4.7K			
R256	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	*****					
R257	1-216-081-00	METAL GLAZE	22K	5%	1/10W	H BOARD, COMPLETE					
R258	1-216-077-00	METAL GLAZE	15K	5%	1/10W	*****					
R259	1-216-025-00	METAL GLAZE	100	5%	1/10W	9-908-867-01	HOLDER, LED				
R260	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	9-908-869-01	KEY TOP				
R261	1-216-025-00	METAL GLAZE	100	5%	1/10W	9-990-891-01	BOARD, REFLECTION A				
R262	1-216-035-00	METAL GLAZE	270	5%	1/10W	9-990-892-01	BOARD, DISPENSION A				
R263	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W	<CAPACITOR>					
R264	1-216-043-00	METAL GLAZE	560	5%	1/10W	C1111	1-126-157-11	ELECT	10MF	20%	16V
R265	1-216-025-00	METAL GLAZE	100	5%	1/10W	<DIODE>					
R266	1-216-033-00	METAL GLAZE	220	5%	1/10W	D1111	9-908-868-01	DIODE TLS263P			
R267	1-216-091-00	METAL GLAZE	56K	5%	1/10W	D1112	8-719-802-17	DIODE TLY263P			
R268	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	D1113	8-719-802-17	DIODE TLY263P			
R271	1-216-075-00	METAL GLAZE	12K	5%	1/10W	D1114	8-719-802-17	DIODE TLY263P			
R272	1-216-073-00	METAL GLAZE	10K	5%	1/10W	D1115	8-719-802-17	DIODE TLY263P			
R273	1-216-073-00	METAL GLAZE	10K	5%	1/10W	D1116	8-719-802-17	DIODE TLY263P			
R274	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	D1117	8-719-802-17	DIODE TLY263P			
R275	1-216-033-00	METAL GLAZE	220	5%	1/10W	D1118	8-719-802-17	DIODE TLY263P			
R276	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	D1119	8-719-802-17	DIODE TLY263P			
R277	1-216-117-00	METAL GLAZE	680K	5%	1/10W	D1120	8-719-802-17	DIODE TLY263P			
R278	1-216-089-91	METAL GLAZE	47K	5%	1/10W	D1121	8-719-802-17	DIODE TLY263P			
R279	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	D1122	8-719-802-17	DIODE TLY263P			
R280	1-216-039-00	METAL GLAZE	390	5%	1/10W	D1123	8-719-802-17	DIODE TLY263P			
R282	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	D1124	8-719-802-17	DIODE TLY263P			
R283	1-216-045-00	METAL GLAZE	680	5%	1/10W	D1125	8-719-802-17	DIODE TLY263P			
R284	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	D1126	8-719-802-17	DIODE TLY263P			
R285	1-216-089-91	METAL GLAZE	47K	5%	1/10W	D1127	8-719-802-17	DIODE TLY263P			
R286	1-216-097-00	METAL GLAZE	100K	5%	1/10W	D1128	8-719-802-17	DIODE TLY263P			
R288	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W	D1129	8-719-802-17	DIODE TLY263P			
R289	1-216-073-00	METAL GLAZE	10K	5%	1/10W	D1130	8-719-802-17	DIODE TLY263P			
R290	1-216-073-00	METAL GLAZE	10K	5%	1/10W	D1131	8-719-802-17	DIODE TLY263P			
R291	1-216-077-00	METAL GLAZE	15K	5%	1/10W	D1132	8-719-802-17	DIODE TLY263P			
R292	1-216-073-00	METAL GLAZE	10K	5%	1/10W	D1133	8-719-802-17	DIODE TLY263P			
R294	1-216-089-91	METAL GLAZE	47K	5%	1/10W	D1134	8-719-911-19	DIODE ISS119			
R295	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W	D1135	8-719-911-19	DIODE ISS119			
R296	1-216-085-00	METAL GLAZE	33K	5%	1/10W	D1136	8-719-911-19	DIODE ISS119			
R298	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	D1137	8-719-911-19	DIODE ISS119			
R299	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W	<IC>					
R1201	1-216-079-00	METAL GLAZE	18K	5%	1/10W						
R1202	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W						
R1203	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W						
R1204	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W						
R1205	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W						
R1206	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W						
R1207	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W						
R1208	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W						

CRITICAL COMPONENTS IDENTIFIED BY
marking and mark Δ are critical
for safety.
Replace only with part number
specified.

Les composants identifiés par
une trame et une marque Δ
sont critiques pour la sécurité.
Ne les remplacer que par une
pièce portant le numéro spécifié.

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
IC1111	9-902-229-01	IC GPIU52R		*4-044-689-01		INDIVIDUAL CARTON (PVM-2950Q)	
				*4-388-954-01		BAG, PROTECTION	
		<RESISTOR>				REMOTE COMMANDER	
R1111	1-247-807-11	CARBON	100 5% 1/4W	1-467-798-11		REMOTE COMMANDER (RM-854)	
R1112	1-247-807-11	CARBON	100 5% 1/4W	9-901-890-11		COVER, BATTERY (FOR RM-854)	
R1113	1-247-879-11	CARBON	100K 5% 1/4W				
R1114	1-247-879-11	CARBON	100K 5% 1/4W				
R1115	1-247-879-11	CARBON	100K 5% 1/4W				
R1116	1-247-879-11	CARBON	100K 5% 1/4W				
R1117	1-249-408-11	CARBON	180 5% 1/4W				
R1118	1-249-403-11	CARBON	68 5% 1/4W				
R1119	1-249-408-11	CARBON	180 5% 1/4W				
R1120	1-249-408-11	CARBON	180 5% 1/4W				
R1121	1-249-408-11	CARBON	180 5% 1/4W				
R1122	1-249-408-11	CARBON	180 5% 1/4W				
		<SWITCH>					
S1111	1-554-303-21	SWITCH, KEY BOARD					
S1112	1-554-303-21	SWITCH, KEY BOARD					
S1113	1-554-303-21	SWITCH, KEY BOARD					
S1114	1-554-303-21	SWITCH, KEY BOARD					
S1115	1-554-303-21	SWITCH, KEY BOARD					
S1116	1-554-303-21	SWITCH, KEY BOARD					
S1117	1-554-303-21	SWITCH, KEY BOARD					
S1119	1-554-303-21	SWITCH, KEY BOARD					
S1120	1-554-303-21	SWITCH, KEY BOARD					
S1121	1-554-303-21	SWITCH, KEY BOARD					
S1122	1-554-303-21	SWITCH, KEY BOARD					
S1123	1-554-303-21	SWITCH, KEY BOARD					
S1124	1-554-118-00	SWITCH, PUSH (1 KEY)					

		MISCELLANEOUS					

Δ 1-402-715-21		COIL, DEMAGNETIZATION (PVM-2950QM)					
Δ 1-402-716-21		COIL, DEMAGNETIZATION (PVM-2950QM)					
Δ 1-426-573-22		COIL, DEGAUSSING (PVM-2950Q)					
Δ 1-426-574-22		COIL, DEGAUSSING (PVM-2950Q)					
Δ 1-452-616-13		NECK ASSY, PICTURE TUBE (NA323)					
1-467-794-11		KEY BOARD UNIT					
Δ 1-580-375-11		INLET 3P					
1-900-140-13		LEAD ASSY, FOCUS					
Δ 8-451-394-31		DEFLECTION YOKE (Y29EXA)					
V901 Δ 8-733-845-05		PICTURE TUBE (M68KU210X)					

		ACCESSORIES AND PACKING MATERIALS					

Δ 1-557-377-11		CORD, POWER (3 CORE) (10.0A/125V)					
		(PVM-2950Q)					
Δ 1-590-151-11		CORD SET, POWER (10.0A/250V)					
		(PVM-2950QM)					
2-990-242-01		HOLDER (B), PLUG (PVM-2950Q/2950QM(AEP))					
3-170-078-01		HOLDER (B), PLUG (PVM-2950QM(AUS))					
3-759-190-21		MANUAL, INSTRUCTION					
*4-039-562-02		CUSHION (RIGHT UPPER FRONT)					
*4-039-566-02		CUSHION (LEFT UPPER LOWER)					
*4-039-570-01		CUSHION (UPPER) (ASSY)					
*4-039-571-01		CUSHION (LOWER) (ASSY)					
*4-044-688-01		INDIVIDUAL CARTON (PVM-2950QM)					

